

UNIVERSITY
OF TORONTO

Bulletin

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Parties support R&D

But what about after the election?

by George Cook

ALL THREE major federal political parties support more funding for university research.

Representatives of the Liberals, Progressive Conservatives and New Democrats discussed research funding at a Nov. 10 forum at Emmanuel College,

organized by the Ontario Confederation of University Faculty Associations.

MPs Bob Kaplan of the Liberals, Bill Winegard of the Conservatives and Lynn McDonald of the NDP were asked to outline their parties' responses to the recent recommendations on research funding made by a federal government working group.

The group, chaired by Pierre Lortie, president of Provigo, a Quebec-based supermarket chain, recommended that base funding for the Medical Research Council, the Natural Sciences & Engineering Research Council and the Social Science & Humanities Research Council be doubled over three years.

In addition, the Lortie group, a sub-committee of the National Advisory Board on Science & Technology (chaired by Prime Minister Brian Mulroney) recommended that research funding be indexed to 1.5 times the annual rate of growth of the Gross National Product.

Kaplan, MP from York Centre, said his party supports the recommended increases, but does not accept the three-year timetable. The pace of change will depend on the government's financial positions, he said.

McDonald, who represents Broadview-Greenwood in the House of Commons, said the NDP also accepts the Lortie proposals. The NDP has promised to double funding in three years.

And Winegard, the PC incumbent from Guelph and a former president of the University of Guelph, said his party supports the Lortie recommendations, but believes funding should be doubled over five years, not three.

On other issues, the three parties are in clear disagreement.

Winegard defended his
See *POLITICS* : Page 2

Controversy
over book
reaches U of T

THE INTERNATIONAL controversy over Salman Rushdie's latest novel *The Satanic Verses* has reached U of T.

On Nov. 17 a copy of Rushdie's book was set afire in the Bookstore at the Koffler Student Services Centre. Nicholas Pashley, fiction buyer, was helping a customer when the incident occurred.

Pashley and other store employees at first assumed the burning smell was caused by an electrical malfunction, but then they saw a pile of smouldering books in one of the alcoves on the south side of the building.

A piece of paper towel was stuck inside the copy of *The Satanic Verses* to ignite the fire, said Pashley. Other books nearby and a shelf were slightly damaged.

"We have no idea who did it," said Pashley. The incident was reported to the campus police and to Metro Police.

Rushdie's novel, recently released, has been banned in India, South Africa and other countries. Some say its portrayal of the Prophet Muhammad is offensive to Moslems.

The Satanic Verses won the Whitbread Prize in England and was shortlisted for the Booker Prize.



Signing on

Architect's drawing of Koffler Institute for Pharmacy Management (right) is signed by Mary Alice Stuart, left, chair of Breakthrough; Joan Randall, chair, Governing Council; Murray Koffler, founder of Shoppers Drug Mart; Marvella Koffler; and President George Connell. See story, page 2.

Robert Goode to
royal commission
looking into
Ben Johnson scandal

PROFESSOR ROBERT GOODE of the Department of Physiology and the School of Physical & Health Education has been appointed to the royal commission established in response to the Ben Johnson scandal. Johnson lost his gold medal at the summer Olympic Games in Seoul, South Korea, when tests showed he had used anabolic steroids.

The Royal Commission of Inquiry into the Use of Drugs & Banned Practices Intended to Increase Athletic Performance is headed by Justice Charles Dubin of the Ontario Supreme Court.

In an interview Nov. 17, Goode said he will help the commission understand the use of drugs and their affects on athletic performance.

"In the last few years, athletes in schools have started to experiment with drugs," he said. "I hope we can nip it in the bud."

Dr. Jack Laidlaw, director of the University's Institute of Medical Science from 1968 to 1974, has also been appointed as a medical expert to the inquiry. Laidlaw is currently executive director of medical affairs for the Canadian Cancer Society.

Dubin began the hearings Nov. 15 by outlining his task to the public and to lawyers representing witnesses who will be called later.

The commission's first meeting will take place this week. Its work is expected to take about a year to complete.

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Erindale fights back

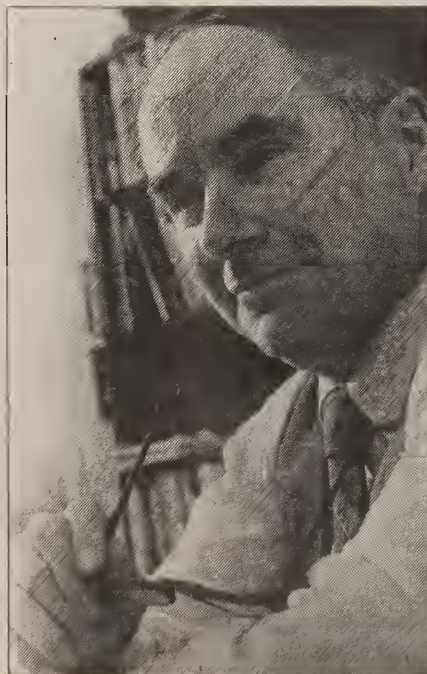
by Karina Dahlin

"IT IS VERY difficult for Canadians to believe they can do anything right that is not blessed by a superpower, whether it was Britain in the old days or the US today. Very difficult also for the superpower to imagine that a minor colony can do anything except quaint things — red coats and that sort of thing."

Another statement about Canada's role in the global village? Not quite. The words are Desmond Morton's, the principal of Erindale College. A historian, he uses familiar analogies when describing the relationship of Erindale to the University. That he chooses to liken his own campus to a colonial state (Canada) illustrates the feistiness with which he runs U of T's western fiefdom.

"Erindale does do some things that are quaint and some things where we set an example for what the University should do," he said in an interview at his office.

Community relations is a significant
See *MORTON* : Page 4



Desmond Morton

Big changes to downtown campus

by Karina Dahlin

THE WESTERN PART of the St. George campus is going through massive changes. New buildings are going up, parking lots are disappearing and three departments are trying to work out how to move to the new Earth Sciences Centre on a tight budget.

On Nov. 16 a "cornerstone capsule ceremony" was held to mark the upcoming construction of the Koffler Institute for Pharmacy Management. The event was attended by University officials and friends, relatives and business associates of Murray Koffler, a U of T graduate of 1946 and the founder of Shoppers Drug Mart. The Friends of Murray Koffler Inc. will raise \$4 million for the institute.

"The pharmacy used to be the corner drug store," Koffler said. "Now it's big business." The management institute is the first of its kind in Canada.

In the building will be a 180-seat lecture theatre, four seminar rooms, six offices, a conference room, a resource area and facilities for graduate students. It will house the activities of undergraduate and graduate programs in the management area of the Faculty of Pharmacy. It will also offer continuing education for practising pharmacists.

Building plans signed by those attending the ceremony, as well as invitations signed by those who could not attend, were placed a metal cylinder. The "time capsule" will be included in the institute's cornerstone. Construction of the 20,600 square foot building will start in January for completion in March, 1990.

Located at the corner of Spadina and Bancroft Aves., the institute will be built on the site of a parking lot that currently provides spaces for some 50 commuters. The competition for parking spaces on campus will get worse before it gets better. Janice Oliver, assistant vice-

New buildings, tight budgets

president (facilities and administrative systems) said the plan for a new parking area at St. George St. behind the student services centre has yet to be worked out.

Save money

Renovations to the animal care facilities at 1 Spadina Crescent, home of the Departments of Psychology and Ophthalmology, took place this summer. An addition to the building and other improvements, worth about \$2.1 million, will be completed early in the new year.

Wetmore Hall, the northeast wing of New College, will soon have a new roof at a cost of \$358,000. If money allows, the roof of Wilson Hall will be replaced next year.

The Department of Sociology has frequently voiced complaints about the North Borden Building, and \$275,000 has been approved to provide sufficient fire protection. But there may be better news ahead: the administration is looking at the floor plans of the Faculty of Forestry offices at College and Beverley Sts. They will be vacated when forestry moves to the Earth Sciences Centre next year. An official stamp of approval is still needed, Oliver said, but sociology may leave the former dairy building and move to 203 College St.

Costs rise

The biggest single change on the west side of campus is the large Earth Sciences Centre facing Huron and Willcocks Sts.

Estimated at \$46 million in 1986, the cost of the centre has risen to \$57.5 million. The Departments of Geology and Botany and the Faculty of Forestry

will start to move into the buildings in February, but cost increases are making the transition difficult. Professor Johan Hellebust, chair of botany, said he and the heads of forestry and geology meet regularly with Provost Joan Foley to decide how best to manage the limited funds at their disposal.

Geology's major concern is the lack of storage space for rock samples, a problem that would cost \$1.1 million to solve. Ursula Cattelan, executive assistant to the dean of forestry, said the absence of greenhouses is a worry.

Botany is mainly concerned about laboratory and related facilities. For example, three-quarters of the storage areas for inflammable solvents disappeared as construction costs escalated and forced the University to reduce expenses. Without the necessary holding areas for such materials, health problems could arise, Hellebust said.

The lack of parking spaces will be a constant headache for botany because of the department's regular transport of plants from the old greenhouses on College St. to the new building.

But, despite the frustrations, everyone is looking forward to moving into the centre. "It's a beautiful building," Hellebust said. "It's unfortunate that the costs are so inflated."

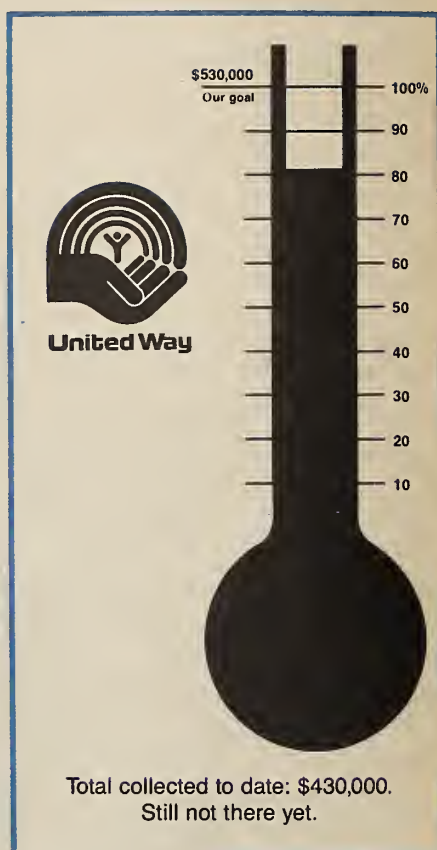
Courtyards

The centre's two courtyards will be used for an experiment in vegetation. The northern yard will be planted with trees and shrubs and decorated with rocks from northern Ontario, while the natural forest areas of southern Ontario will be duplicated in the southern court.

Professor John Williams of botany chairs the University's arboretum committee. He said no one is sure the court-

yard project will work immediately because the trees and plants will be surrounded by buildings. Adjustments in the growing areas may be necessary.

Landscaping for educational and scientific purposes rather than for ornamental reasons is not a new idea. At U of T, however, the courtyard project is the largest to date. The plan is several years old; trees and plants have been chosen and prepared for the purpose and the first specimens are already in the ground.



Politics of research funding

Continued from Page 1

government's record of encouraging university-industry partnerships through the matching grants programs to the research councils. He said the Conservative government believes universities can do both pure and applied research, if they are adequately funded.

He said he and other members of the PC caucus believe the government should earmark federal transfer payments to the provinces to ensure that money intended for universities is not used for other purposes.

"We want to make sure the money for higher education goes to higher education and isn't siphoned off."

Kaplan said he too thinks transfer payments should be earmarked for particular purposes and accused the Mulroney government of failing to take the necessary steps while in office. A former Liberal government took steps to protect the federally funded medicare program, he noted.

Kaplan said the Liberals believe industry must do more research and development and it is up to the government to provide incentives through the tax

system. He admitted, however, that the last Liberal tax-incentive program was a failure.

McDonald said the Liberals must share responsibility with the Conservatives for the absence of federal control over transfer payments to the provinces.

She said the matching grants program has been a failure. Multinational corporations do research at home (in Japan, the United States and western Europe) not at branch plants. The NDP would encourage the growth of Canadian-owned industry and bring in research requirements for the private sector.

The money for higher levels of funding to the research councils would come from a "fair tax system," she said.

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Editor: Peter O'Brien
Associate Editor: George Cook
Writers: Karina Dahlin, Jane Stirling
Editorial Assistant: Ailsa Ferguson
Production Coordinator: Sandra Sarner
Layout and Typesetting: David Vereschagin
Advertising: Marion de Courcy-Ireland
Advertising Assistant: Nancy Bush

Director: John Aitken

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Trinity confirms Moseley appointment

by Jane Stirling

TRINITY COLLEGE has confirmed its employment offer to a Barbadian theology professor following a breakdown in negotiations concerning the Marsha Hewitt case.

In a Nov. 16 letter to faculty members in Trinity's Faculty of Divinity, Provost Robert Painter said the college has made "every reasonable effort" to resolve the problem and sees no reason to delay the confirmation of a job offer to Professor Romney Moseley.

Painter said he has not yet received a reply from Moseley, who is currently the associate dean of theology at Emory University in Atlanta, Georgia.

Although the matter of Moseley's appointment is closed, Painter insists Trinity College is still willing to negotiate with Hewitt and her legal representative.

"The ball is in their court now," he said. "We've made three proposals and they've turned them all down."

Hewitt's lawyer, Suzie Scott, executive director of the University of Toronto Faculty Association, refuses to bargain on Trinity's terms.

"We won't go through with this if the procedures aren't fair," she noted. "We're not asking them to do anything unusual."

Hewitt has filed a complaint with the Ontario Human Rights Commission alleging that she was denied a tenure-stream position at the college due to discrimination on the basis of gender, marital and family status. Trinity hired her in 1986 on a three-year contract.

Grievances

Negotiations between the lawyers for the college and Hewitt broke off when the two parties failed to agree on terms of reference for an investigation into the grievances.

Trinity had initially proposed two possible procedures for the inquiry: one if Hewitt agreed to the terms and the

Negotiations break down

other if she didn't.

Scott said the panel would only have examined the issue of the college's moral commitment to her client, not the sexual discrimination charges.

In the first procedure, Trinity proposed both Hewitt and Dean Peter Slater of its divinity faculty participate in selecting a panel. Hewitt, whose charges involve both Trinity and Slater, rejected the inclusion of the dean. However, the college said it was "unacceptable" for one to be included without the other.

Trinity had also proposed the committee make a non-binding recommendation to its executive committee; Hewitt wanted the decision to be binding.

"We're not going to jump through hoops for them [Trinity] and then have their executive committee say they won't follow the recommendations," Scott said.

"Serious effect"

In his letter to faculty, Painter said there are two reasons the college won't agree to a legally binding decision. First, he said, its executive committee does not want to abdicate its responsibilities to make the final decision because this would have a "serious effect" on its future financial support and income.

Most colleges associated with the Toronto School of Theology (TST) receive a significant part of their funding from private donations and endowments, he writes.

Painter said the Hewitt case concerns issues of hiring and the judgement of the search committee — both of which are the concern of the executive committee, not a matter of academic judgement.

Trinity has suggested the case be heard by the University ombudsman. However, Hewitt has rejected the pro-

posal because the recommendations of the ombudsman are not binding.

The college plans to proceed with an inquiry into the affair, but "we're not rushing into this," Painter said. "It's

less than satisfactory if they're not participating."

Scott insists her client just wants "a fair resolution," regardless of the outcome of the investigation.



JEWEL RANDOLPH

Innis celebrates 25

Simon Cotter (centre), a 1986 graduate of Innis College, paid \$500 for a movie poster Nov. 5 at an auction to kick off a year-long celebration of Innis College's 25th anniversary. Innis principal John Browne and Audrey Perry, administrative officer, helped Cotter celebrate his purchase.

The poster and the movie *Twins* have a special connection to the college. Executive producer Joe Medjuck was cinema instructor there before he left in 1980 to work in Hollywood on a one-year leave. He has never returned to teach, but did arrange for one of three signed posters to go to the auction.

The bidding garnered \$3,600 for a

scholarship fund, while pledges, donations and sale of raffle tickets raised another \$3,900. Five years ago the college raised \$26,000 for the fund during celebrations surrounding its 20th birthday.

Organizers hope that by this time next year, the scholarship fund will grow to \$100,000. Other silver anniversary celebrations include a dinner and a masquerade ball at L'Hotel March 4 to honour alumni from 1969, 1979 and the 1989 graduating class and a silver plate dinner May 11 (\$250 per ticket) at the Faculty Club, sponsored by the Harold Innis Foundation. Former Toronto mayor and federal cabinet minister David Crombie will speak.

Overcoming fears of 'mechanical monsters'

Implementing telephone registration

by Jane Stirling

STUDENTS in the Faculty of Arts & Science may be able to register by telephone by 1990.

The implementation of a phone system is under consideration by a faculty committee as an alternate means of registering. To register for courses, students would dial a number and then select a variety of options by pressing the corresponding digits on their phone.

The system would allow people to select, drop and change courses. It would run 18 to 20 hours a day, enabling students to register from their homes. After enrolment, they would be mailed their timetables.

Telephone enrolments would be an optional mode of registration, at least initially, according to Dean Robin Armstrong. "We want to let people get over their fears of mechanical monsters and some may want to talk directly to a staff person."

This year students registered using the University's first fully automated course selection system. Problems in the second phase of ACCESS (Assisted by Computer Course Enrolment and Sectioning System) led to long line-ups of students wanting to change courses.

In 10 years, all universities will handle enrolment this way, Armstrong said, while a number, including York and Carleton, use the system now.

The technology for ACCESS and phone registrations would develop together, Armstrong noted, although some new equipment would be necessary.

The hardware cost of a computer with touch-tone telephones would range between \$125,000 and \$250,000 depending on the number of phone lines required, said Mark Lippard, director of Information System Services for the University. Programming would be carried out by his staff.

The School of Continuing Studies has used phone enrolments for the past year.

Registrar Lorraine Nishisato said it has reduced the drudgery of manual registration and eased the enrolment process for business people. The lines are open 24 hours per day.

Requests for course calendars can be handled in greater numbers, sometimes 800 to 1,000 a day. The system also has a "bulletin board" feature that notifies callers of class cancellations due to weather.

But problems do arise from time to time: phone circuits out of order and busy signals during peak daytime periods.

"It took a little while for some to get used to it but more people used it this year than last," Nishisato said. "They don't have to come downtown, pay for parking and deal with line-ups."

Possible TA strike looms

by Karina Dahlin

CONTRACT TALKS between the University and its teaching assistants have been suspended and the two sides will make a joint application to the Ministry of Labour for conciliation. Meanwhile, the Canadian Union of Educational Workers Local 2 has called a strike vote. The 2,400 TAs represented by CUEW will cast their ballots on Nov. 30 and Dec. 1.

Tom Orman, liaison officer with the union, said the conciliation process is the "last chance" for the two sides to discuss outstanding issues. If members endorse a work stoppage and the stalemate is not broken, the union is in a legal position to call a strike, he said.

John Parker, director of labour relations for the University, said a conciliation officer will be appointed by the Ministry of Labour. If a settlement is not reached, the conciliator issues a report; 16 days later, the parties can legally strike or lock out.

However, if conciliation brings no result, a mediator can be appointed to try to bring the employer and the union back

to the bargaining table. (The employer may also make a "final offer" on which the ministry can call a separate vote.)

The two issues hindering a settlement are hiring grievances and workload. The union is seeking the right, in a new collective agreement, to have a greater say in departmental hiring decisions and to make teaching experience the most important criterion in hiring. It also wants to increase the number of TAs and to place limits on class size.

"They have a right to negotiate anything they want," said Parker. However, the University's position is firm and no progress has been made on those issues.

Parker said he could not discuss the University's views in public during the negotiation process.

So far, wages have not been discussed. In September, the union asked for a 10 percent increase. The University is seeking resolution of the non-economic issues before resolving the question of wages, said Parker.

In CUEW's 14 years at U of T, members have never gone on strike.

Morton has some feisty ideas about 'getting even'

Continued from Page 1

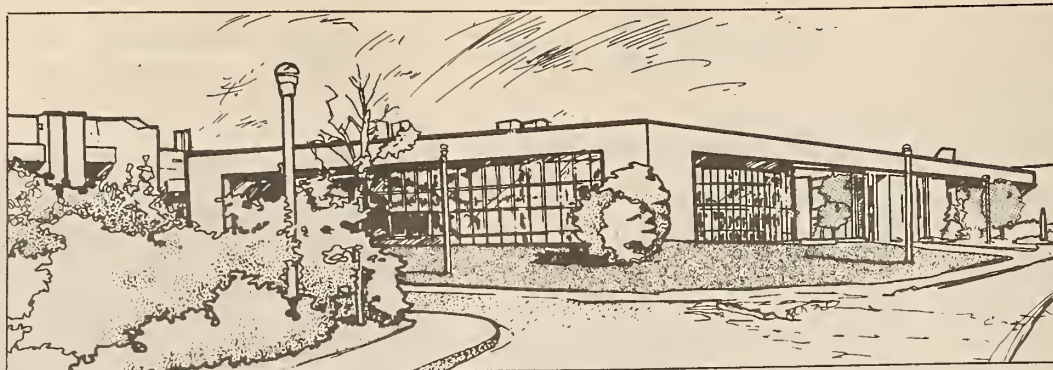
area of expertise at Erindale, according to Morton. The greatest concern of his administration is to provide facilities that will allow people to do a good job in undergraduate education and in selected areas of research. These days Morton spends much of his time talking to Mississauga residents to raise money for that purpose.

Erindale's share of the University's Breakthrough campaign — \$3 million — is earmarked for a new academic building. Morton is confident that the money will be raised locally with the help of a committee headed by Ignat Kaneff, a developer and a leading member of the Mississauga business community.

No ivory tower

The fund raisers tell people in Mississauga about the University and its local campus. They emphasize that residents should be proud of having Erindale College on their doorstep and they ask them for support. The message is well received, said Morton.

"Out here Erindale is not seen as an ivory tower that belongs to someone else." U of T may never be able to achieve the degree of community in-



The proposed new academic building

volvement which Erindale enjoys, Morton said, because of its emphasis on being the largest university in the country.

Morton never imagined himself an active fund raiser, and certainly not the kind described by Premier David Peterson, who attended the launching of the Erindale campaign on Oct. 12. Referring to Morton's association with the New Democratic Party, Peterson called him "the great socialist, grovelling before the capitalists."

"If that's what I have to do, I'll put on knee pads and grovel. But I don't think it's grovelling. I think it's a message the community out here is willing to listen to," Morton said.

Erindale College opened its doors in 1967, during the time when the idea of an organized town like Mississauga took form. The college and the community have grown together, although they've often been in the shadow of Toronto. Their common (perceived) inferiority to the city and the University of Toronto has helped Morton in his fundraising campaign.

Shopping mall

"After all, one of the unifying factors in Canada is the detestation of Toronto. We are very conscious about that here and we try to turn it to our advantage."

Similarly among students the mixed loyalty and rivalry with the St. George campus has helped to create a spirit on campus that might otherwise have been hard to establish. Without a student services centre or a place to house student activities, the Erindale students are in danger of experiencing their time on campus as a "shopping mall experience," Morton said.

The planned Centre for Management & Social Studies will help solve the problem. By giving departments such as commerce, political science and economics a new home, space will be freed in the Crossroads Building. The two-storey structure was erected in a rush in

1973 when the provincial government halted funding for all capital projects.

Students have started to raise money for an extension to the building, which will be theirs with amenities added such as meeting rooms, study rooms, a book store, newspaper office and radio station.

Changes in the administration of Erindale reflects Morton's view that the college should be more consumer- and client-oriented. Thus, a position as vice-principal (student services) was created this year.

"We are not interested in the philosophy of *admitting* students," said Morton. "We are interested in the philosophy of *recruiting* them, persuading them that this is the place they want to be. That's the best way to get the best students. We work to make everyone at the University of Toronto, and certainly at Erindale, welcome. It isn't easy when the general philosophy of the University is that it thinks it does someone a tremendous favour when it takes them in."

The question of how much money Erindale College generates is a topic Morton avoids. Preferring not to discuss the balance sheet of fees and government subsidies versus expenses, he was confident, however, that both Erindale and Scarborough College are "significant net earners." He pointed out that the University is full of enterprises — Robarts Library, for example — that cannot make money but benefit all U of T students.

Original design

Erindale College was originally designed for 5,000 students. Construction was never completed and libraries and class rooms are suitable for no more than 3,500 students, said Morton. "We've improvised and adjusted. It's hard to know what our capacity is now. Five thousand is as many as we can handle. The University set that as a target — we've already met it."

"We all understand the University's financial problems. But I wish the University would admit to that problem in public instead of pretending it's a great place and really devoted to students, when in fact it sometimes is using them as a solution to a general financial problem."

The fault is not the University's alone, he said. The system is to blame. Governments fund education and the Univer-

sity can be as vocal as it wants to in asking for more money, "but the country is full of free speech and no listening."

"To maintain a university of this magnitude, with its legitimate claims of research excellence, creates a gap between appetite and supply. How do you make up the difference? You add more undergraduates."

Erindale is primarily involved in undergraduate

teaching. When Morton sees that area neglected, "either so governments can spend less or so other interests can be stronger," he fights back.

Both worlds

His campus will not get a share of recently promised government funding for student residences. Traditionally, Erindale's student housing has been self-supporting.

The Breakthrough budget offers Erindale no money for residences either, but spaces will become available on the second floor of the Crossroads Building once the new Centre for Management & Social Sciences is ready.

The college has 680 residence spaces for its 3,700 full-time students; the goal is at least 950 beds.

When Morton compares funding of residences, libraries, athletic centres and other facilities of his campus to those of universities elsewhere, or to those of the other two U of T campuses, he gets frustrated. "But we have set our priorities and we are not just angry, we are trying to get even."

A conversation with Desmond Morton could lead a visitor to think that Erindale College is fertile ground for a movement to establish an independent university. But the principal's criticism should not be taken out of context.

"We have always billed ourselves as the best of both worlds. We have membership in the University of Toronto and access to its prestige and facilities. We are also out here in a much friendlier atmosphere without the incredible difficulties of operating in central Toronto."

"It is my business to make the multi-campus system work. I am very conscious of the advantages of the University of Toronto connection and I think on the whole that the colleges benefit from it. But there are costs to every benefit and you have to be aware of the costs and try to minimize them as much as possible."

Morton is half-way through his first five-year term as principal. With plenty of energy to carry him through the battles of the second half of his term, the thought of a second five-year term is not unattractive, he said.

(The first of a two-part series. Coming in the Dec. 12 Bulletin: focus on Scarborough.)

WITH 250 FACULTY, 400 administrative staff and 5,300 undergraduates (3,700 full-time, 1,600 part-time) and 125 graduate students, Erindale College is the largest of the eight colleges in the Faculty of Arts & Science.

Each of the colleges in arts and science has cultivated areas of expertise. Erindale's three specialties are:

- Art and art history, in cooperation with Sheridan College of Applied Arts & Technology. Graduates receive a degree in fine art from U of T and a diploma in studio art from Sheridan College.
- Exceptionality in human learning, a special education program. It provides a broad foundation for students with an interest in gifted and handicapped people.
- Survey science. The only program of its kind in Canada that is fully approved by the Association of Ontario Land Surveyors.

The Mississauga campus has good facilities for research in biology, botany, psychology and chemistry — the disciplines in which most of its graduate students are working. At the chemistry lab, the college's first nuclear magnetic resonance spectrometer is being installed. The machine is used to analyze the molecular structures and dynamics in solids such as polymers, ceramics and biological membranes.

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Aerial view of Erindale campus

Editor's Notebook

"Fast Eddie" Yanofsky, promotions manager at the Bookstore, tells us that the Koffler Student Services Centre recently had a poker night to raise money for the United Way. He and Lou Massey from the drama centre were the primary organizers. People from the Bookstore, the Career Centre, Counselling & Learning Skills Service, Housing Service, Office of Student Awards and the Graduate Centre for the Study of Drama (the "heaviest bettors") bought chips. They were not, of course, allowed to cash them in later. Yanofsky said that even though "no one was going to win anyway," they were still serious about their betting. "The big winners were from the Career Centre. They dominated the blackjack table." How did "Fast Eddie" do, you ask. Well, he "got off to a fast start and a fast finish." It seems he lost all his money early in the evening. The poker night raised about \$250.



At the Innis auction (see page 3 for picture) one of the items bid for was a course in stress management. Someone suggested to Elizabeth Wilson, executive assistant to Gordon Cressy (the auctioneer), that she might benefit from such a course. Her response: "I don't have any time to take the course!" John Browne, principal of Innis and not the most, well, hairy of individuals, outbid everyone else for "hair restyling by Ernie."

Christmas donations. *University of Toronto: A Souvenir* (Oxford University Press) by Ian Montagnes, with colour photos by Rudi Christl, is currently on sale at the Bookstore, with an added twist. For every copy sold of the hardcover (\$9.95) the Bookstore will donate \$4 to Breakthrough, for every copy sold of the softcover (\$4.95) Breakthrough gets \$2. There's more. The Bookstore also has Wedgewood plates (\$24.95) and ashtrays (\$12.95) with the U of T crest for sale — for every plate sold \$5 is donated to Breakthrough, for every ashtray sold, \$3.

Small mercies. The authors of the annual report for the U of T Slowpoke Reactor Facility dedicated their document "to all those researchers who submitted their project reports by the requested deadline, and thereby helped make the production of this report a less traumatic experience than it would have otherwise been."

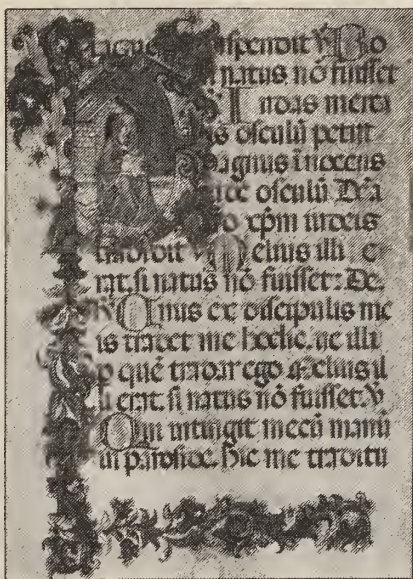
The last chapter, "Typos and Definitions" attempts to give sense to some of the misspellings in the submitted articles. For example:
Oology: the study of wonderful things;
Inluded: introverted luddite;
Geranium: material used in flower-

power gamma-ray detectors;
Univerity: the one and only truth — not to be confused with what one finds at universities;
Geogoly: expression of wonderment.

Erindale's **February Admissions Programme** is now in its second year. It gives qualified students who graduate from high school in January the opportunity to begin full-time study in the Faculty of Arts & Science immediately. If your kids can't wait to go to university, they should get their application form, supplied by the Ontario Universities' Application Centre, in by Dec. 5. Questions about eligibility or admission procedures should be directed to the student's school guidance office or to the U of T Office of Admissions, 315 Bloor St. W., 978-4499. Tamar Nelson, coordinator of the program, is available for counselling and course planning, 828-5400.

The colour of bricks. During the planning of the Koffler institute, a small controversy arose over the colour of bricks chosen by the University. When construction prices skyrocketed from an estimated \$3.3 million to \$4.6 million, money could be saved by using "buff and blue" brick.

However, the city of Toronto and the Historical Board had in mind red bricks similar to those of the North Borden Building. Neither the city nor the historical board have the power to enforce their wishes but the University may have found a compromise. Janice Oliver, assistant vice-president (facilities and administrative systems), said a pale red brick has been found that is within the budget.



Robarts is selling Christmas cards again this year, with proceeds going to the Library Development Fund. The three images used on the cards are taken from the Thomas Fisher Rare Book Library. They are available from the cashier's office, main lobby of Robarts — \$8 for a box of nine cards.



A 388-hour gabfest!

The talking has finished at Hart House and a record has been broken. On Nov. 17, after a 388-hour non-stop gabfest, U of T speakers were confident they had surpassed the sustained eloquence of the University of Oxford. The British institution's debating team filed a record 315-hour session with the *Guinness Book of World Records* in July, but if the Oxford orators want to regain the record for history's longest continuous debate they will have to do better.

Seen at Hart House are (from left to right) Trische Kell, the "Prime Minister," who opened and closed the debate; Anjan Mookerjea, publicity coordinator; Randy Papadopoulos, program adviser; Pelino

Colaiacono, secretary; and Danilo Tomanovich, publicity coordinator.

Of approximately 250 speakers, Mookerjea spoke the longest time: 24 hours. No breaks were allowed. Mookerjea had to rely on spectators making a point of order and on the chair responding with enough rhetoric to get a chance to go to the bathroom. His nourishment during the ordeal was soup, which he swallowed while he spoke on cross-cultural references between Canada and India. Will he do it again? "Not in this lifetime," he said. The Debates Club and the Debating Committee of Hart House hope the event will help them bring the international debating championship to U of T in 1989.



DINING ROOM HOURS: Monday through Friday
5:30 - 7:30 p.m.

Gallery Club

CHRISTMAS MENU

first course

Avocado with crabmeat and shrimp cocktail

or

Prosciutto with melon and lychee fruit

or

Vegetable terrine with quail egg and tomato coulis

second course

Oxtail consomme with caraway straw

or

Broccoli and cheddar cheese chowder

or

Winter Leaves

(seasonal mixed greens with julienne of leeks, beets and hearts of palms, raspberry vinaigrette)

third course

Roast young turkey with glazed chestnuts \$19.65

or

Breast of pheasant grand veneur \$21.95

or

Roast stuffed loin of lamb with egg-plant caviar \$20.75

or

Seafood Cardinal with spinach savarin \$22.55

or

Filet of beef Wellington \$23.60

or

Baked festival ham with apple cider \$18.85

fourth course

Hot minced meat pie

or

Christmas pudding with brandy sauce

or

White chocolate mousse with strawberries

Tea or coffee

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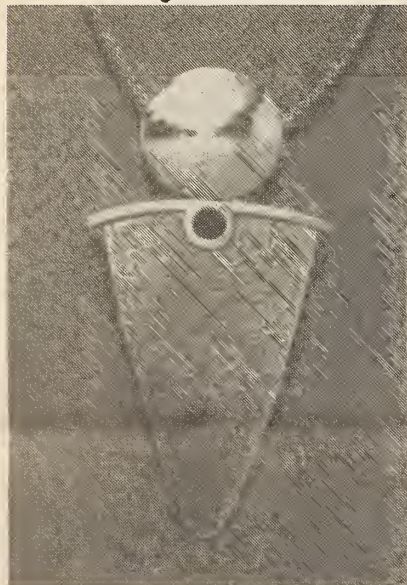
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Presented by
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directed by
Dr. John Derksen

Wednesday, December 7
8 p.m.

Everyone welcome

Knox College
59 St. George Street

First group of staff examinations completed

THE ONTARIO LABOUR Relations Board has completed its examination of the first group of administrative staff, from Business Information Systems, and is about to begin the second, from Woodsworth College.

The examinations are to determine eligibility for membership in a potential bargaining unit. The Canadian Union of Public Employees has applied to represent U of T staff in collective bargaining with the University.

There are 975 positions in dispute. The board will release an interim report on eligibility after it has examined 62 positions in six administrative units — the Department of Philosophy, the fees

department of the comptroller's office, the Faculties of Dentistry and Education, Woodsworth College and Business Information Systems.

The labour board conducted a supervised representation vote on campus last April to determine whether the University's 3,108 administrative staff wish to join CUPE. Approximately 80 percent of staff members voted.

Meanwhile, the administration has agreed to provide UTSA with a quarterly list of newly hired employees deemed to be eligible for inclusion in a potential bargaining unit.

The University stopped providing the lists during the certification campaign.

Employment equity survey planned for this year

THE HUMAN RESOURCES Department will complete a workforce survey of all academic and administrative staff by the end of the 1988-89 year, in accordance with the recently released employment equity action plan.

All University employees will be asked to complete the survey voluntarily, said employment equity coordinator Mary Lynne McIntosh.

By comparing the number of women, native persons, disabled persons and visible minorities employed by the University — as well as the jobs they do — with data from the Canada census, the University will garner the detailed information it needs to establish equity targets.

Governing Council approved the University's employment equity policy in March 1986. It replaced the equal opportunity policy of a decade earlier.

The policy defines equity as "employment practices designed to eliminate discriminatory barriers that interfere unreasonably with employment options, and to provide access to the fullest opportunity to exercise individual potential."

The University has drawn up the action plan in order to comply with its own policy and with the Federal Contractors Program.

Like other institutions and companies with more than 100 employees, the University must comply with the program to be eligible to bid for federal contracts worth more than \$200,000.

To be considered for contracts, the University must be prepared to show that it is taking the required steps towards assuring equity. President George Connell signed a certificate of commitment to implement employment equity in September 1986.

Math society meets at OISE

THE ANNUAL winter meeting of the Canadian Mathematical Society will be held Dec. 12-14 at OISE. Hosted by the Department of Mathematics, the conference is expected to attract 300 participants.

European and North American speakers will address six specialized symposia that will each convene four or five times during the meeting. The topics are ergodic theory and dynamical systems, number theory, geometry, category

theory, semigroups, languages and computation and mathematical education.

The Canadian Mathematical Society was formed in 1945. Its first president was Samuel Beatty, a U of T professor. University professors form the majority of the society's 1,000 membership, which also includes graduate students and foreign mathematicians.

Chief coordinator of the 1988 winter meeting is Professor Peter Rosenthal of the Department of Mathematics.

Nota Bene

Dissertation award for Abouzeid

The Middle East Studies Association (MESA) of North America has awarded Ola Abouzeid, who earned her Ph.D in Middle East studies from U of T in 1987, the MESA 1988 Dissertation Award for best thesis in the humanities category. Her dissertation was entitled "A Comparative Study between the Political Theories of Al-Farabi and the Brethren of Purity." Abouzeid is currently an assistant professor at the University of Cairo.

Niznik wins fellowship award

Hyman Niznik, a post-doctoral research fellow at the University, has been awarded \$25,000 in the 1988 NARSAD (National Alliance for Research on Schizophrenia & Depression) fellowship award program. Niznik was cited for his work involving the association between schizophrenia and elevated levels of d2 receptors. He is examining whether d2 receptors in schizophrenic brains have different molecular "fingerprints" than those in normal brains.

NARSAD, an organization of private citizens, psychiatrists and scientists, awarded a total of \$600,000 this year to 24 scientists researching the causes of psychiatric disorders.

Niznik, a native of Montreal, received his Ph.D in pharmacology from U of T.

Engineering gold medal for Smith

John Smith, assistant professor in the Institute of Biomedical Engineering at the University and director of the Department of Medical Engineering at the Hospital for Sick Children, has been awarded the Professional Engineers of Ontario Gold Medal. The medal is awarded to a distinguished practitioner of the profession.

Smith has made major contributions to biomedical engineering that have significantly improved the survival rates of premature infants. He has served on five committees of the Canadian Standards Association and has been a driving force in creating the medical engineering department at the hospital.

Andrews scholarship fund

A scholarship fund has been established in the name of Professor Howard Andrews, who died of a heart attack Oct. 23 at the age of 44.

A faculty member in the Department of Geography since 1969, Andrews was associate dean of social sciences at Erindale from 1975 to 1980. He was vice-principal (academic) at the Mississauga campus from 1979 to 1980 and director of the Child in the City Programme from 1980 to 1983. He served as associate director at the Centre for Urban & Community Studies from 1980 to 1984 and as the centre's acting director from 1987 to 1988.

Donations to the scholarship fund can be sent to Kathy Connor at the Campus Relations Office, room 3135, South Building, Erindale College.

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and talks about the music

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922-3714

The REVIEW's guiding light

by Karina Dahlin

WHEN THE U of T Bookstore hosted the Toronto launching of Jean Chretien's book *Straight from the Heart* three years ago, a cluster of Liberal and literary luminaries showed up. Since no one else volunteered to introduce the dignitaries, Nicholas Pashley offered to do it — after all, as he says, at the Bookstore he is "the one who does the things no one else wants to do."

After the official introduction, it was Chretien's turn to say a few words. He thanked people such as Premier David Peterson and publisher Anna Porter for attending the occasion but he had no idea who Pashley was. Undaunted, however, he thanked "Mr. President of the University" for his introduction.

Chretien did not know how unprejudicial Pashley really is and he did not know how much laughter his remark would cause. A co-author of *A Begin-*

ner's Guide to Canadian Humour and *The Cynic's Guide to Coping with Life* (Eden Press), Pashley said in a recent interview he was grateful that Chretien had recognized his potential. In return, he will always vote for the man and never forget his name.

Pashley, 42, is British. He has worked in bookstores most of his adult life, the past eight years at the U of T Bookstore where he has held just about every job there is to hold. Recently he was appointed fiction buyer.

A year ago this month he launched *The Bookroom Review*, renamed *The University of Toronto Bookstore REVIEW* last spring. It is not the first time the Bookstore has published book reviews, but *New Book News* was discontinued four years ago because it was too expensive to produce.

Pashley thought a new review could be done inexpensively with desktop publishing. It is cheaper, but the budget

is so small that Pashley writes all the reviews because there is no money to pay others to do them. Five issues have been published, with the next one scheduled for November/December. The 1,400 account holders at the Bookstore get a copy of the review in the mail, as do another 100 subscribers. Approximately 1,000 copies are picked up at the store at the Koffler Student Services Centre.

The reviews make entertaining reading. "I hate boring writing," states an otherwise mild-mannered Pashley.

Boring they are not, nor are they negative. "I only review the books I like. They are not puff pieces, but I do try to sell books and to interest customers in books that are good."

Eventually, the reviews may become more "objective," Pashley hopes, but as it is *The REVIEW* is paid for by advertising revenue and the editor sees no advantage in biting the hands that hold the purse strings.

Most of Pashley's book reviews are of fiction, reflecting the style he prefers to use in his own writing. In addition to contributing to humour books, he has written pieces for *The Globe and Mail* and occasionally he provides comedian Dave Broadfoot (Canadian Air Farce) with lines. In the back of his mind are a couple of plays he hasn't touched for a year. When asked what he is working on at present he comments "I can't remember, I'm so busy."

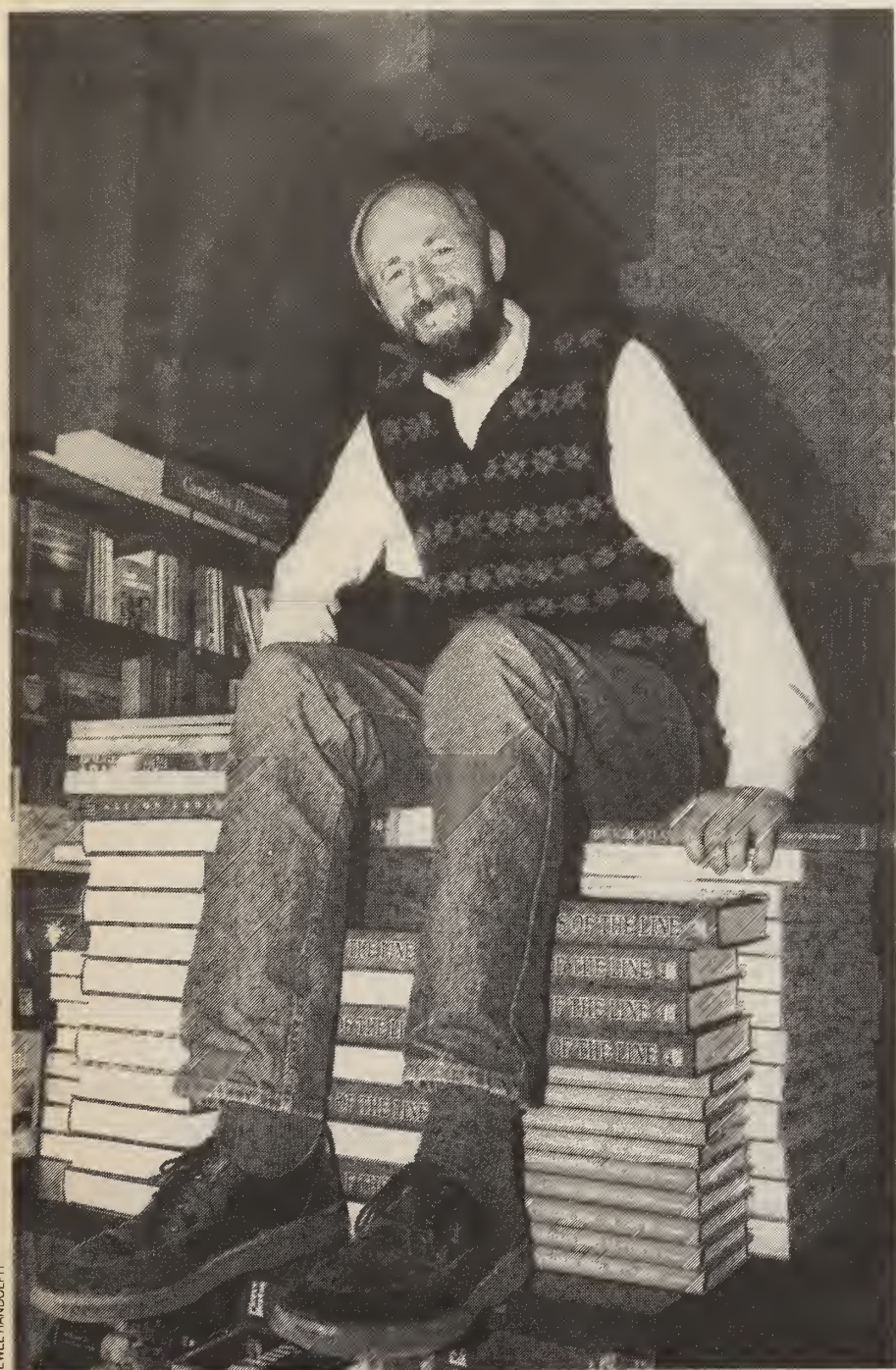
Pashley is not too busy to sing with a 19th-century temperance choir. Members borrow costumes from Black Creek Pioneer Village and specialize in songs of abstinence. That they have a beer or two before and/or after a performance only heightens the enjoyment for Pashley and sharpens his keen sense of parody.

Review Committee

Department of Statistics

A COMMITTEE has been established to review the Department of Statistics. External members are: Professors David Hinkly, University of Texas; J.D. Kalbfleisch, University of Waterloo; and Cecil Nesbitt, University of Michigan.

The committee would be pleased to receive comments and submissions from interested persons. These should be forwarded by *November 30* to Dean R.L. Armstrong, Faculty of Arts & Science, room 2020, Sidney Smith Hall.



Nicholas Pashley

Inaugural 1988 Stubbs Lecture

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Special Note:

Due to the demand for reservations at this event, tables
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reservation time requested.

Reservations for less than 6 people may have to
share a table with other members.

Money sought for study of third world

U OF T AND l'Université du Québec à Montréal hope to get funding for a centre of excellence for third-world countries. A letter of intent has been sent to the Canadian International Development Agency (CIDA) and a more detailed proposal will follow.

The agency has allocated \$10 million for eight to 10 centres of excellence. The money will be spent over five years. The centres will try to improve the capacity of Canadian universities to provide human resources for development of third-world countries, said Meyer Brownstone, director of U of T's Office of International Cooperation.

CIDA wants the centres to focus on the poorest and most underdeveloped countries and to look at the status of the development of women. The work also involves training third-world

students.

If the U of T/UQAM proposal is accepted, the centre will concentrate on half a dozen subjects, among them:

- basic needs, such as health education and social services
- problems associated with rapid urban growth, for example pollution and homelessness
- technology, including the development of sustainable agriculture in arid regions and maintenance of a safe water supply
- toxicology and toxic aspects of pollution.

No decision has yet been made on which countries to concentrate on. The new centre would draw on faculty at the two universities and use existing space. CIDA grants do not fund capital projects, Brownstone said.

Search committees

Director, Centre for Studies in Aging

THE ACADEMIC BOARD has approved the establishment of a Centre for Studies in Aging within the School of Graduate Studies as of July 1.

A search committee has been established to recommend a director for the centre. Members are: Professor Laszlo Entrenyi, associate dean, Division IV, School of Graduate Studies (*chair*); Professors Arthur M. Kruger, principal, Woodsworth College; J.R.S. Prichard, dean, Faculty of Law; Dorothy Pringle, dean, Faculty of Nursing; Morley Gunderson, director, Centre for Industrial Relations; F.I.M. Craik, chair, Department of Psychology; Bernhard Cinader, Department of Immunology; and Kenneth Shulman, Department of Psychiatry; and Bernadette Lonergan, School of Graduate Studies (*secretary*).

The director of the centre should be a scholar in his or her discipline with a proven publication record, have a clear and keen appreciation of the whole range of gerontology, be prepared to

promote interdisciplinary cooperation and be able to develop the area within the University.

The committee invites suggestions or nominations. These should be forwarded by *December 9* to either the chair or the secretary of the committee.

Director, Centre for Urban & Community Studies

A SEARCH COMMITTEE has been established to recommend a director for the Centre for Urban & Community Studies. Members are: Don Dewees, associate dean, Division II, School of Graduate Studies (*chair*); Professors Meric Gertler, Department of Geography; J.R. Miron, Division of Social Sciences, Scarborough College; Gavin Smith, acting associate dean, social sciences, Faculty of Arts & Science; J.E. Pesando, Institute for Policy Analysis; Richard Stren, Department of Political Science; and Barry Wellman, Centre for Urban & Community Studies; and Glen Jones, graduate student; and Isaak Siboni, School of Graduate Studies (*secretary*).

The committee would be pleased to receive comments or submissions from interested persons. These should be forwarded by *November 25* to Professor Don Dewees at the School of Graduate Studies, 63 St. George St.

Director, Museum Studies Program

A SEARCH COMMITTEE has been established to recommend a director for the Museum Studies Program. Members are: Professor P.W. Gooch, associate dean, Division I, School of Graduate Studies (*chair*); Professors Eleanor Cook, associate dean, humanities, Faculty of Arts & Science; R.J. Helmstadter, Department of History; M.R. Kleindienst, Department of Anthropology; R.F.G. Sweet, Centre for Religious Studies; J.L. Teather, Museum Studies Program; and M.P. Winsor, Institute for History & Philosophy of Science & Technology; and Thomas Wilson, graduate student; and N.L. Gottschalk, School of Graduate Studies (*secretary*).

The committee would be pleased to receive comments or submissions from interested persons. These should be forwarded to Professor P.W. Gooch at the School of Graduate Studies, 63 St. George St.

PURCHASING

Communication and co-operation are a must when you are planning renovations, new carpets or even new furniture.

Please do not forget to involve your Area Supervisor from Physical Plant when thinking about changes.

Purchasing has a responsibility to ensure that Physical Plant is informed of all installations/quotations.

CUSTOMS/TRAFFIC

COURIERS

The increasing number of non-appropriated courier waybills are causing serious problems in the "computerized" invoice processing.

Remember, all waybills **must have the correct appropriation number in the proper reference area** before the couriers will pick up.

Waybills without appropriations will be charged an additional \$5.00 administrative fee.

IMPORTS

When importing goods from the U.S.A. for personal use, remember that customs duties and taxes may be applicable, as well as brokerage fees.

When ordering, inform shipper that a detailed descriptive invoice **must** accompany the shipment for Customs "Harmonized Tariff Coding," or release of goods will be delayed until proper information is obtained.

For information on any customs- or courier-related questions please call **978-2266** or **978-2348**.

TRAVEL PROGRAM

If you did not receive the recent American Express mailing of the University Travel Card application forms and related information or you require additional copies, contact **George Mammoliti**, Travel Co-ordinator, at **978-5173**.

Various airlines now offer special business and/or economy class rates on booklets of TEN pre-paid one-way tickets for certain city pairs — i.e.:

Toronto - Montreal		Toronto	} to {	Vancouver
Toronto - Ottawa	and	Ottawa		Calgary
Ottawa - Montreal		Montreal		Edmonton

If you or your department anticipate sufficient travel in these or other city pairs to take advantage of the booklets, send your projected requirements to: Travel Co-ordinator, Purchasing, 215 Huron St., Room 711.

EQUIPMENT

The "Equipment Exchange" is a service co-ordinated by the Purchasing Department to facilitate the recycling of surplus equipment within the University.

PLEASE NOTE: Equipment moved from research to administration or sold outside the University is subject to tax and duty. Contact Customs, commodity taxation section if unsure.

Description	Qty	Model	Age	Fair Mkt Value	Contact
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8 Line Multiplexer	1	Masscomp RS-232	1985	"	" "
1 Mb Memory Increment	1	Masscomp	1985	"	" "
Microcomputer	1	Digital PDP 11/23+	1983	\$3,000	A. Semlyen 978-7038
Computer Professional Package	1	Apple IIe	1983	\$600	N. Misener 978-2671
Dot Matrix Printer	1	Apple	1983	\$300	" "
Computer Professional Package	1	Apple IIe	1984	\$600	" "
Computer Starter System	1	Apple IIc	1985	\$500	" "

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"Free Trade: The Culture of Business"

Speaker

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Professor at McLuhan Program in Culture and Technology

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8 pm Admission is free

For further information call 975-6029

Phone-mail brings in new donors

Who would suspect that in an Avenue Road tower, 15 minutes from the heart of the downtown campus, phones are ringing and raising thousands of dollars weekly for the Breakthrough Campaign?

Phone-mail is a component of the Breakthrough Campaign. It began last September, with the Faculty of Pharmacy, the first of 30 constituencies to be canvassed over the next three years.

Graduates first receive a letter from President Connell telling them to expect a letter from a prominent member or associate of their constituency.

In Pharmacy, that person was F. Norman Hughes, Dean Emeritus of the faculty; in Forestry, Adam Zimmerman, Chief Executive Officer of Noranda Forest Inc. and Chairman of the Advisory Board to the faculty; and in Music, Elmer Iseler, conductor of the Toronto Mendelssohn Choir.

The appeal letter explains what the Breakthrough Campaign means to the particular constituency and tells alumni to expect a phone call.

Then the person-to-person work begins. All of the 35 phoners are either students or alumni and each is trained to speak with graduates about their experiences at U of T.

Renewing contact with alumni is as important to the phone-mail campaign as obtaining a pledge, says Breakthrough's associate director of individual giving Charlotte Caton.

People have been very generous. Many alumni who have never given to the annual Varsity Fund are giving to Breakthrough, says Caton. By the second week of November half a million dollars had already been pledged toward the \$10 million goal.

"Alumni see Breakthrough as a special campaign," says Caton.

Cecile Chau Velez, Pharmacy 8T7, pledged \$5,000, where the asking pledge for pharmacists was \$800 over five years, or \$40 quarterly.

"I was thankful that U of T provided me with education and opportunity. When I think back to university days, there was lots of talk about the deteriorating condition of the University. But you can't just complain. We all have to contribute," says the 24-year-old pharmacist at St. Michael's Hospital.



Cecile Velez, Pharmacy 8T7, at work at St. Michael's Hospital. She pledged \$5,000 to the University because "we all have to contribute."

BREAKTHROUGH \$100 MILLION CAMPAIGN • UNIVERSITY OF TORONTO CAMPAIGN NEWS



Mary Rowell Jackman and Professor John Polanyi under Mrs. Jackman's acacia trees.

Continuing a tradition of Philanthropy

In his thank-you speech to Mary Jackman last fall, John Polanyi referred to the magnificent 150-year-old acacia trees that stand in her Rosedale garden. Afterwards the 84-year-old matriarch of the Jackman family invited Polanyi to bring his research group to her home, to see her beloved trees. They happily accepted.

Mary Jackman loves her trees, their beauty, their blossoms in the spring. She loves the fact that they are older than her house, built in 1925, the same year she graduated from Victoria College, that they are as old as the village of Rosedale where she grew up.

Coming from a long line of Methodists with a strong tradition of philanthropy, Mrs. Jackman began her work early in life. As a young wife raising four children, she started the Bond Street Nursery School at the family church, Metropolitan United.

"During those terrible times of the thirties, there was nothing for all the little children around. So I said, 'Why not use the church?'"

The YWCA presented a special award last year to Mrs. Jackman, her daughter Nancy Jackman, and, posthumously, to her mother, Nelly Langford Rowell, and her grandmother, Permelia Rowena Rich Langford for four generations of philanthropy.

Last year, Mary Jackman decided it was time to make a special gift to Victoria and the University.

Through the Jackman Foundation, she gave \$1 million to build a new residence at Victoria, to be named Rowell-Jackman Hall. Then she gave \$1 million to create the Jackman Fund for Research in the Natural Sciences to support the work of 1986 Nobel Laureate in chemistry John Polanyi.

"I particularly wanted to give to Victoria because it's my alma mater," she said, adding that her mother, two of her children, Hal and Edward, and numerous cousins all attended Victoria, and her aunt Mary Coyne Rowell was Vic's first senior professor of French.

Deciding where to give to the University was a little more difficult.

"I know nothing about science," says Jackman, sitting in her living room surrounded by books and paintings by the Bloomsbury Group, about whom she knows a lot.

But two years ago, after she read a letter from President George Connell, she became concerned that the University was not turning out enough people in the sciences.

In May 1987, she read a *Globe and Mail* article by Margaret Polanyi, daughter of the Nobel Laureate, on Canada's loss of scientific researchers to the United States.

And Mary Jackman knew where she wanted to make her contribution. John Polanyi was grateful.

"Mary Jackman's benefactions are given in such a way that the recipient

feels that he or she is doing something fantastic in accepting them," he said in his thank-you speech.

"But now that I have her captive I should like to thank her for her faith in what we at this university do, and also for the warmth of her friendship, which really makes us feel like ... well, like a million dollars.

"Thank you, Mary."

The faculty-staff appeal team: Darlene Myers, Gwen Russell, Bill Graham and Cecil Yip.



Faculty-staff prepare for January

Imagine canvassing 12,000 people, spread out over three campuses, for a total donation of \$4 million. No mean task, you say. Gwen Russell, Cecil Yip, Bill Graham and Darlene Myers agree, but they believe enough in the University to take on the task of organizing just such a canvass.

Russell, chief technician in the Department of Nutritional Sciences, and Yip, professor in the Banting & Best Department of Medical Research, are the co-chairs of the faculty-staff division of the Breakthrough Campaign. Graham, professor of philosophy at Scarborough College, and Myers, public relations officer in the Office of the Dean of Arts & Science, are deputy co-chairs. Together, the four are organizing the faculty-staff appeal that begins at the end of January.

It's a unique part of Breakthrough, they say, because it seeks funds from within the University, from the very people who know best its strengths and shortcomings.

It's also unique to Breakthrough because the four have designed the appeal themselves and are allowing donors to give to whatever aspect of the University they choose.

Russell, Yip, Graham and Myers feel their part of Breakthrough is crucial to the campaign's success.

"For Breakthrough to be successful, it's important that faculty and staff show the public and government that we do care about our university," says Yip.

The team is adamant about running its own appeal in a way to maximize participation from as many staff and faculty as possible. And participation is not limited to financial contributions.

At least 250 volunteers will be required to canvass the three campuses. Vice-chairs have been recruited — one for each of the twelve geographical areas that the team has identified. Now it is up to them to recruit coordinators and canvassers.

At the beginning of January, Jacquelyn Wolf, Director of the School of Continuing Studies, will start canvasser-training.

Yip, Russell, Graham and Myers are optimistic about their appeal.

"We expect 100 per cent participation," says Breakthrough Campaign Managing Director Gordon Cressy. Already about \$125,000 has been pledged by senior faculty and staff in an advance canvass.



Breakthrough at a glance

Breakthrough, the University's \$100 million fundraising campaign, announced last June that it had raised \$33 million, a third of its goal. By the New Year the Breakthrough Cam-

paign will reach the halfway point.

Breakthrough is more than a campaign to raise \$25.8 million for research and discovery, \$48.5 for campus development and \$25.7 for learn-

ing and scholarship. It marks a renewed partnership between the University, alumni, students and staff, and the community at large.

As Breakthrough's National Chairman Mary Alice Stuart puts it: "We are proud of the University's many achievements but very aware that a rapidly changing society and a dramatically changing economy are creating unprecedented challenges to

which our university must respond well before the year 2000."

The people on these pages are meeting those challenges.

Breakthrough. It's up to you.

1. From left to right, cutting the cake at Breakthrough's debut press conference last May are Mary Alice Stuart, National Chairman, and John Aird, U of T Chancellor and

Breakthrough's Honorary Chairman.

2. Mrs. Lucile Pratt starts off the Breakthrough Campaign with a smile. Her gift of \$5.5 million will help establish the David Lorne Pratt wing of the Wallberg engineering building.

3. Breakthrough's "Night of Stars," last June 1, where Janet Field, Music 7T5, sang accompanied by Paul Grevette. With \$33 million already pledged there was lots to sing about.

4. Dr. Cheng Yu Tung with his daughter Amy Doo, son-in-law William Doo, BSc 6T8, and President Connell, at a reception held to acknowledge Dr. Cheng's \$1.5 million gift to the East Asian Studies Library.



Fundraising for Neuro Centre in full force

Hanging on the wall behind the table where Mark Tanz has been working is an old sketch of the Botany Building as it looked at its construction in 1932, drawn by Alvin Mathers. The framed sketch was a gift from Andrew Mathers and Doug Haldenby, who are renovating the old building that was built by their fathers. Printed in the left corner is: "The Tanz Neuroscience Building."

"That was a lovely coincidence," says Tanz, standing in his office at the Colonnade, the bustle of Bloor Street passing below. "We didn't know that the renovators the University hired were the sons of the original architects."

And it hasn't been the only happy coincidence in Tanz's campaign to see that the cause of Alzheimer's disease is found.

Tanz, a director of Revenue Properties Co. Ltd., is Chairman of the Advisory Committee for the Centre

for Research in Neurodegenerative Diseases and its chief fundraiser. He first approached the University in May 1986 when his mother was in the last stages of Alzheimer's. Determined to do something in her memory to eradicate "this execrable disease," he came to his alma mater to see what research was going on.

At the same time Martin Hollenberg, Associate Dean of Research of the Faculty of Medicine, and neurologist Donald MacLachlan were trying to develop a centre for studying the

Master fundraiser Mark Tanz stands with Dean of Medicine John Dirks and Donald MacLachlan, Interim Director of the Centre for Research in Neurodegenerative Diseases, outside the new Tanz Neuroscience Building.



brain, says Tanz.

"It was totally serendipitous. It took us only one year to work out the Centre."

Centre moving quickly

Two years later, the Centre has a name, a building, and MacLachlan as Interim Director. Renovation plans are underway, and there is a solid and growing base of capital with which to work. With an initial gift of \$4 million from Tanz, a pledge of \$5 million from the Alzheimer Association of Ontario and other individual and corporate gifts nearing \$5 million, Donald MacLachlan is feeling "very secure."

"After a 10 to 12 year period, there will be a perpetual endowment of \$10 million," says Tanz. "That way the Centre won't be tied to the vagaries of government and the economy."

MacLachlan, internationally respected for his research in Alzheimer's, is excited by the momentum and potential of the Centre, which will open in January 1990.

"It's an area in desperate need of research and to my knowledge there's nothing quite like this in the world. The University is responding to a major health and social problem."

And there can be little doubt about the severity of Alzheimer's disease. It is the fourth leading cause of death in Canada, where 300,000 people, mainly over 65, are affected. The incidence is expected to increase threefold over the next 40 years if no cure or prevention is found.

Of the more than 140 scientists in Toronto working on neurodegenerative diseases, many are at the University or its 10 teaching hospitals. Important discoveries about Alzheimer's have already been made at the University. MacLachlan and his team discovered an abnormal gene expression which makes the brain vulnerable to cell-death. And U of T researchers have implicated aluminum as an environmental risk factor.

Best technology

"What the Centre will do is assemble neuroscientists from across Canada and other parts of the world, improve communication in the field and provide the best technology," says MacLachlan.

Tanz is particularly concerned with the suffering caused by the disease, both to the victim and the family. In every letter he sends out to a potential gift-giver, he includes the moving testimony of a victim of Alzheimer's who was still able to write lucidly.

Many of the 17 members of the Advisory Committee have had relatives or friends affected by the disease. Tanz's Vice-Chairman Lionel Schipper, LL.B. 5T6, also lost his

mother to the disease.

Others on the all-star Board include Arden Haynes of Imperial Oil, Peter Widdington of Labatt's, Ted Sherman of Revenue Properties and Ephraim Diamond of Whitecastle Investments Ltd.

"What we tried to do on the Board," says Tanz, "was to gather people who had lost a loved one to Alzheimer's or some other disease of the brain. So there is great empathy with the Centre."

Johnny, Frank and Helen return to UC Playhouse

The year was 1938. Young Frank Shuster, Lou Weingarten and Helen Gardiner were all playing in the University College Follies. Lou and Frank had written it and Lou was directing. Helen played a "frightened heroine" and was head girl of the chorus line—"quite avant garde then for college girls," she says in retrospect. Helen studied psychology. The boys both studied English and both wrote for the then-daily *Varsity*.

"Claude Bissell, one of our professors, was delighted to see that university didn't interfere with our education," says Frank.

This year the three Follies members, Frank Shuster, Johnny Wayne and Helen Phelan, met again. While "reminiscing about those Follies days," Phelan made a pledge to renovate the old UC Playhouse and turn it into a working theatre school.

After graduating, Phelan was a professional actress with the John Holden Players and has long been a patron of Toronto theatre. She was glad to have the opportunity to give to the UC Playhouse.

"It seemed to fit everything. It was at the University that I developed a love of theatre."

The gift also pleases Canada's longest-lasting comedy team—the "ever-





5. Beatrice Bennett helped turn the sod last July for the expansion of the law faculty. Her gift will support the Jacob M. Bennett Class-



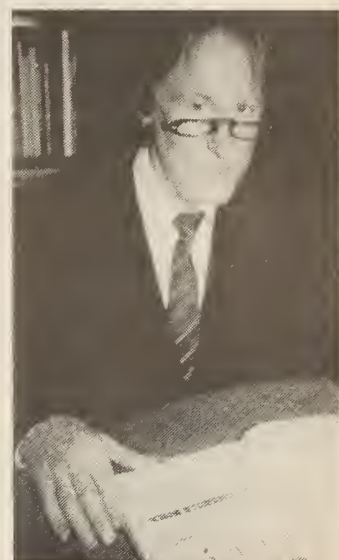
room Wing, named after her late lawyer husband. Dean of Law Robert Prichard, Premier David Peterson and John Gardner, Vice-



Chairman of Governing Council, lend a hand.
6. Ignat "Iggy" Kaneff, Chairman of Erindale's building fund, smiles as Joe Fusco, Co-Chairman of Erindale's Breakthrough Campaign, signs his pledge at the Erindale kick-off in October. Desmond Morton, Erindale Principal, and Premier David Peterson look on.
7. President Connell chats with Dr.

Ray Pilkey, Medicine 4T1, and Mrs. Marion Pilkey, Victoria 3T3, over supper in Peterborough. At screening meetings held across the country, alumni assess potential donor support.

8. Richard Landon, Director of the Thomas Fisher Rare Book Library, holds the University's seven millionth book: General Wolfe's copy of Thomas Gray's *An Elegy Written in a Country Churchyard*. Breakthrough is raising \$4 million for the University library, one of the top ten libraries in North America.



greens," as Johnny puts it. Since they were "drafted" into the campaign, Wayne and Shuster have been looking for the right match of donor to project.

Canada's comedy couple were recruited to the campaign last spring — "perhaps for our degree of notoriety," suggests Frank.

"Like in the medieval days where they sent in the clowns first to attract the crowds," continues Johnny.

Wayne and Shuster make no claim

Then and now. Wayne and Shuster play it up in 1938. Head chorus girl Helen Gardiner is in the inset. Wayne and Shuster and Helen Gardiner Phelan outside the UC Playhouse soon to be renovated.



to being expert fundraisers.

But their love for the University, their concern about losing good Canadian minds to the United States and their determination to see the University get the kind of funding it needs to compete with the likes of Harvard, Yale and Princeton made them decide to join the Breakthrough Campaign.

"Canadians are far less supportive of their colleges and universities than Americans," says Johnny. "In the American universities 50 per cent of their alumni make gifts where here it's 15 per cent."

From their over 50 years together in show business, beginning at age 14 with \$40 performances to Boy Scouts, Wayne and Shuster do know a lot of people.

"Once you get old enough, all your contemporaries end up as Supreme Court judges, dead, or both," says Johnny.

During Johnny and Frank's *Varsity* days, Ontario Supreme Court Justice Charles Dubin was a sports-writer.

"Supreme Court judges and criminals. We work both sides of the street," adds Frank.

They also work City Hall and Queen's Park.

"I said to Art (Toronto Mayor Art Eggleton), I'm expecting that the City will contribute to the Breakthrough Campaign," says Johnny. "And I know David Peterson is a graduate of U of T. Unfortunately the Treasurer's a graduate of McMaster."

The earth moves at the ESC

Next spring the Departments of Botany and Geology and the Faculty of Forestry will, for the first time, come together under one roof in the newly constructed Earth Sciences Centre, that post-modern collection of red and cream-colored buildings on Willcocks and Huron streets.

It's a welcome and long-awaited move for the three disciplines. For years, Canada's largest pool of scientific talent in the resource sector has been at the leading edge of technological revolution while operating in laboratories built for turn-of-the-century research.

In Forestry, 75 per cent of all of Ontario's graduate students are at U of T. The faculty is a world leader in research to breed hardier, straighter and faster-growing trees.

But, as geneticist and Forestry professor Louis Zsuffa says: "A geneticist can't do it alone."

"That's why we need the Centre: we have to work closely with silviculturists, pathologists, entomologists, wood scientists, chemical and mechanical engineers. Spread around in six or seven locations, we've found collaboration difficult."

University's largest research facility

The Earth Sciences Centre will be the largest research facility at U of T, with more than half of its space allocated to laboratories. The library, lecture theatre, laboratories and support services will be shared by the three disciplines to make efficient use of space and facilitate interdisciplinary collaboration.

"Modern science is a team effort; the most momentous breakthroughs are occurring at the boundaries between the disciplines," says President George Connell.

And within Botany, Geology and Forestry, numerous breakthroughs have been made.

Zsuffa's fast-growing, high-yield poplar is now being planted by Domtar in eastern Ontario and Quebec.

Palynology, the study of spores and pollen in fossil plants, has revealed "that the rock chips flushed up by an oil drill contain thousands to millions of pollen grains," says Geology chairman Geoff Norris. By looking at the fossilized plant material in rock, geologists can tell an oil company how near it is to an oil-bearing

sector.

Former Botany chairman and plant physiologist John Williams is looking for a way to alter rape seed genetically so that it won't need post-harvest processing.

"U.S. industry is interested in this, but appears to have put it aside because the research is complex and might never pay off. We think we have an approach that will give us this gene in the next few years. That's exactly how university research should

Advisory Board to Forestry since 1976, he was concerned that Canada wasn't turning out enough of the managers and researchers needed in the resource sector.

"We have to develop our intellectual capital," says the veteran spokesman for the Canadian forestry industry.

Zimmerman leads the way

Breakthrough has designated \$12 million to the ESC. Noranda spearheaded the campaign with a pledge of



Adam Zimmerman on the site of the Earth Sciences Centre with Botany professor Michelle Heath and Forestry lecturer Paul Cooper.

fill the gap between fundamental and applied research."

Close collaboration with industry

Close collaboration between the University and resource industries has been important in the planning of the ESC. No one has been more active in this collaboration than Adam Zimmerman.

Zimmerman, BA Trinity 4T9, is Chairman and Chief Executive Officer of Noranda Forest Inc. He's also Deputy Chairman of Breakthrough, where his primary work is in fundraising for the ESC. He began with the project in 1983. Chairmah of the

\$900,000—"the company's biggest ever"—and Zimmerman added his own \$100,000.

Abitibi-Price, CIL, Falconbridge, Domtar, Olympia & York Enterprises, Imperial Oil, Gulf Canada, Placer Dome, Union Carbide and Consumers' Gas followed suit with gifts totaling \$2 million.

In looking for the remaining \$9 million Zimmerman reasons: "Any significant sum of money given to the campaign is a fraction of the daily expense of exploration. One million dollars is no big deal in relation to buying exploration properties."



Atlas Director Bill Dean holds Volume I: From the Beginning to 1800.

Atlas puts Canadians on the map

When Bill Dean was looking for a publisher for the *Historical Atlas of Canada*, back in 1979, one editor looked at him and said: "Do you realize how much patience it is going to take to produce this thing?" Then she looked at him again and said: "You know, I think you've got that patience."

Almost ten years later, Dean is still a patient man. He empathizes with Abraham Ortelius, the 16th century cartographer who took 25 years to make the world's first atlas.

"It will be 25 years by the time I'm finished, which seems to be standard for these pioneering atlases," says the director of the *Historical Atlas of Canada*.

William G. Dean, then professor of geography, and Geoffrey J. Matthews, chief cartographer, came up with the idea for a historical atlas in 1969 when they had completed their *Economic Atlas of Ontario*, winner of the "Most Beautiful Book" award at the Leipzig International Book Fair in 1970.

The idea was timely. Other historians, geographers and historical geographers from across the country also thought the time was ripe for a major historical atlas — a way of visually documenting the country's history. They met with Dean and Matthews in 1970.

By 1973 the Atlas was established, and by 1979 the Social Sciences and Humanities Research Council agreed to support the mammoth project.

Volume I, *From the Beginning to 1800*, appeared in both languages last fall, published by the University of Toronto Press and les Presses de l'université de Montréal. It won six major awards. The American Society for Environmental History created a special award because the *Atlas* "was a work of such unique and impressive distinction that it merited special recognition."

The 198-page Volume I, bearing a luscious green cover of mountains and forest, contains 69 plates presenting multi-colored maps on themes as diverse and intricate as "The Last Ice Sheets, 18,000-10,000 BC," "Peopling the Arctic," and "Norse Voyages and Settlement."

Each plate represents "two to three

months of a cartographer's work spread out over one year," says Dean, explaining that with all the checking of detail, often involving cross-Canada communication, map production is a long process—and an expensive one. As Dean wrote in the foreword to Volume I, "No good atlas exists that did not cost more than was expected and take longer to produce than was projected."

Production costs were \$800,000 for the 4000 French and 32,000 English copies of Volume I published last fall, says Harald Bohne, director of the University of Toronto Press.

The *Atlas* is the biggest project the Press has ever undertaken and one of the most interesting.

"In all my 30 years of scholarly publishing, this is the most exciting project I've ever been associated with," says Bohne.

The basic research for volumes II and III is complete and paid for, says Dean. The main expense now is the cartography and the photomechanical production of the plates.

"When we're in full production," says Dean, "it costs over \$400,000 a year to pay our seven cartographers and the photomechanics company which produces each plate."

Cartographers are busy completing the plates for Volume III, *Addressing the Twentieth Century*, to be published in early 1990. Dean thinks this volume will be the most significant "in terms of people interest."

There are maps showing the distribution of Canadians watching American television on March 26, 1961, the outcome of labour strikes between 1941 and 1953, and the climatic changes in the prairies during the thirties.

Volume II, *The Nineteenth Century*, is scheduled for publication in 1992, provided the funding is found.

With the last of the generous Social Sciences and Humanities Research Council support ending soon, Dean perseveres in his search for the funding he needs to complete the *Atlas* over the next five years.

"I do it out of a deep sense of patriotism and pride in this country," he says.

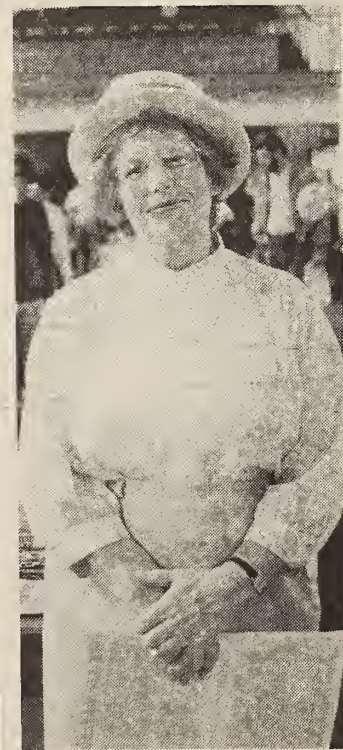
Breakthrough is seeking \$1.5 million for the *Historical Atlas of Canada*.

From the private sector some interesting gifts and exchanges have been made. Bell Canada bought a copy of Volume I for every high school in Ontario and gave each school board a copy of a Bell-produced videotape on the making of the *Atlas*. The *Globe*

and *Mail* gave the *Atlas* a reduced rate on two full-page advertisements in exchange for copies of Volume I.

Those who have seen Volume I anxiously await the next two volumes.

"I hope someone picks up the torch," writes Arnold Edinborough, *Financial Post* columnist, "because even with the first volume, the project is already shedding a mighty light. And from what I have seen in preliminary production, the next volumes will be equally revolutionary in how they affect our Canadian sense of historical identity."



Frances Halpenny, this year's Coordinator of the Humanities Consortium.

Consorting with the humanities

Question: Where would you go to have your name written in Norse runes or cuneiform, to learn the Anglo-Saxon cure for lust, or to find out who provided the entertainment on Sir Francis Drake's voyage to Portugal in 1588-89?

Answer: The Humanities Consortium at the University of Toronto.

Frances Halpenny's eyes light up when she talks about the humanities. Since 1945 she has spent most of her working life in research and publication in the humanities, first at the University of Toronto Press, where she became managing editor, then as

general editor of the *Dictionary of Canadian Biography/Dictionnaire biographique du Canada*.

The DCB began in 1959, thanks to the endowment of the late Toronto businessman James Nicholson. Inspired by the British *Dictionary of National Biography*, Nicholson wanted to honour Canada by making possible a record of its history, available in both official languages, and told through biography.

Since 1961 the DCB has been sponsored by U of T and Université Laval and published simultaneously by both.

"The *Dictionary* is truly bilingual and bicultural," says Professor Halpenny.

At the same time as the DCB made its debut, other major, long-term editorial projects, involving scholars from across the country and abroad, began, many of them also under the auspices of the University of Toronto Press.

"It was a coming of age in scholarly publishing, where we had the ability to tap into resources previously unavailable," says Professor Halpenny.

Nine of these mega-projects came together in 1984 as the Humanities Consortium. They included *The Collected Works of John Stuart Mill*, the most influential thinker of the 19th century; *The Collected Works of Erasmus*, the lively 16th century philosopher; *The Correspondence of Emile Zola*, the 19th century French writer; and *The Dictionary of Old English (DOE)* which takes each word of Old English and defines it using the evidence of Anglo-Saxon texts.

The Correspondence of Madame de Graffigny, French novelist and playwright of the 18th century, recounts the Parisian salon life of Voltaire, Rousseau and the other notables of the age. *The Records of Early English Drama* documents the drama, minstrels and ceremonies in England until the Puritans closed the theatres in 1642. And the *Historical Atlas of Canada* uses the newest methods of mapmaking to make visual Canada's social and economic history.

Finally, the *Royal Inscriptions of Mesopotamia (RIM)* takes cuneiform collected from museums all over the world and transcribes into English their "proud and terrible pronouncements" of some 5000 years ago.

The Consortium, initiated by Professor Halpenny and Professor Robert Taylor, director of the Centre for Medieval Studies, began "as a self-help effort," says Halpenny.

"Our projects are all long-standing and require significant funding. We were anxious about funding and what would happen if the grant situation worsened. We felt we would speak with much more strength if we had a group identity."

As a consortium, the projects also share information on such topics as the use of computers and gaining public and University recognition, says Halpenny.

Internationally, Consortium members are recognized for their work, much of which is unique to the world of scholarship. RIM, for instance, makes available, for the first time in English, information on one of the great civilizations of the world. The DOE has put Canada on the map for its contribution to the understanding of the English language.

"It will hardly be surprising if Canadian research comes to dominate the field of Old English scholarship; indeed the future of computer-aided lexicology has a decidedly Canadian ring to it," said Lou Burnard of the Oxford University Computing Service, in *The Times Literary Supplement*.

The Consortium, with the University of Toronto Press, has studied ways of generating some of its own funds. Next June, the 1990 DCB engagement calendar makes its appearance. The Press is also examining the possibilities of developing educational and commercial materials, such as wall maps, calendars and slides, based on the *Historical Atlas of Canada*.

The Consortium knows it needs tremendous support to continue its renowned scholarly work. Breakthrough is seeking \$5.5 million for the Humanities Consortium, the *Historical Atlas of Canada*, and for scholarly publishing through the University of Toronto Press.

Halpenny encourages gifts that are creative and personal. "A labour union, for instance, could create a fellowship to research the biographies of labour leaders in the 19th and 20th centuries."

The DCB received a creative gift from Sears Canada Inc. in commemoration of Canada's centennial. In 1966, the company began to purchase each volume of the *Dictionary* for every high school in the country, and will continue to do so until the *Dictionary* is complete.

After 20 years with the DCB, Frances Halpenny has retired as general editor. York University Professor of History Ramsay Cook replaces her. Halpenny will continue with the *Dictionary* until it reaches the year 1900 with Volume XII, and she will stay with the Humanities Consortium "engaged in some work on behalf of the humanities," she says.

BREAKTHROUGH
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21 King's College Circle
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Writer/Editor:
Bronwyn Chester

Design: IMS Creative Communications



Books

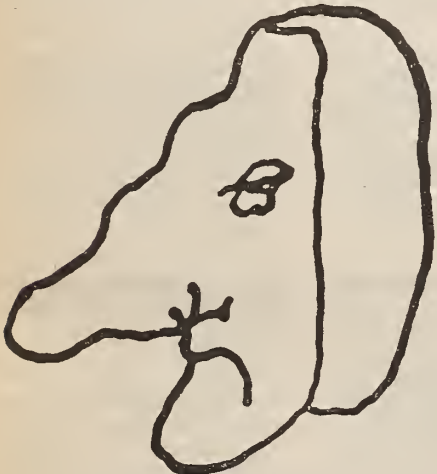
The following are books by University of Toronto Staff. Where there is multiple authorship or editorship, U of T staff are indicated by an asterisk.

November

Sail-boat and Lake, by Robert Finch (The Porcupine's Quill, Inc.; 90 pages; \$8.95). A new collection of poetry which draws its inspiration from many sources, among them sailing, music, Frederick the Great and John Donne.

Dictionary of Canadian Biography: Volume VII, 1836-1850, Frances G. Halpenny, general editor (University of Toronto Press; 1,088 pages; \$70). The themes of this volume include the events of war and the displacement of people; waves of immigration from Europe; political debates and rebellion; the fur trade; and the merger of the Hudson's Bay Company and the North West Company.

Victor Segalen's Literary Encounter with China: Chinese Moulds, Western Thoughts, by Yvonne Y. Hsieh (University of Toronto Press; 316 pages; \$45). This book examines each of the "Chinese works" of French writer Victor Segalen, to determine his choice and adaptation of Chinese material, to shed light on any obscure allusions and to point out the innovative features and inherent problems that place each text in a genre of its own.



Self-caricature of Erasmus

Paraphrase on Mark, edited and translated by Erika Rummell (Collected Works of Erasmus, Vol. 49, University of Toronto Press; 235 pages; \$40). To make the Bible a more effective instrument of social reform, Erasmus composed paraphrases in which the words of Holy Scripture provide the core of a text embracing the "philosophy of Christ."



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TRAVEL CUTS
Going Your Way!

Poetry, Word-Play, and Word-War in Wallace Stevens, by Eleanor Cook (Princeton University Press; 320 pages; \$35). This study focuses on Stevens' skillful play with grammar, etymology, allusion and other elements of poetry. It is also a general study of Stevens' poetry.

October

Telling Travel Tales, by Sylvia DuVernet (DuVernet; 167 pages; \$16.95). The five stories in this collection are based on anthropological and archaeological experiences.

Catching up

The Alphabet and the Brain: The Lateralization of Writing, edited by Derrick de Kerckhove* and Charles J. Lumsden (Springer-Verlag; 455 pages; \$80). The goal of this book is to present the background to a new model that demonstrates what factors shaped our alphabet and how the alphabet shapes us. Scientists from the fields of neuroscience, psychology, linguistics and philology are brought together in an interdisciplinary discussion of the nature of the alphabetic system of western writing and the forces affecting its evolution.

Planetary Gods and Planetary Orders in the Mysteries of Mithras, by Roger Beck (E.J. Brill; 126 pages; \$20 US). This study starts with an enigma: why did Mithraism, in assigning the seven planets as tutelary powers to its seven grades of initiation, set them in a unique order? This question leads to an exploration of the several planetary orders attested for the cult and of their functions in its theology and soteriology.

Off the Ground: First Steps to a Philosophical Consideration of the Dance, by Francis Sparshott (Princeton University Press; 430 pages; \$49 US). This book inquires into the reasons why the philosophy of art has tended to ignore the art of dancing and choreography, and considers what a philosophy of dance would have to be and do.

Philosophy, History and Social Action: Essays in Honour of Lewis Feuer, edited by Sidney Hook, William L. O'Neill and Roger O'Toole* (Kluwer Academic Publishers; 491 pages; \$95 US cloth; \$22.95 US paper). The contents of the 23 contributions in this volume range from economic theory, third-world development, scientific biography and political extremism to American Judaism, 17th-century millenarianism and contemporary Chinese politics.

Bilinguisme à l'Université.

BRIAN MERRILESS, ancien vice-recteur adjoint, retient ses responsabilités comme conseiller spécial en bilinguisme à l'Université de Toronto. Il invite tous ceux qui s'intéressent à promouvoir l'usage du français au sein de lui écrire à Victoria College (Bibliothèque Pratt) ou de l'appeler au 585-4481.

* * *


Former Vice-Provost Brian Merrilees is retaining his portfolio as Special Advisor on Bilingualism. He would like to hear from all staff and students who are interested in the promotion of French-language opportunities at the University of Toronto. He may be reached at Victoria College, Pratt Library, 585-4481.



School scene, Louvre G 457, second half of fifth century B.C. Illustration from *The Alphabet and the Brain: The Lateralization of Writing*, edited by Derrick de Kerckhove and Charles J. Lumsden.

The Timurid Architecture of Iran and Turan, by Lisa Golombek* and Donald Wilbur (Princeton Monographs in Art and Archaeology, Princeton University Press; 720 pages; \$130 US 2 vol. set). These volumes present a comprehensive picture of the entire range of building activity sponsored by the Timurids during the 15th century, including mosques, shrines and mausoleums. Hundreds of photographs of the monuments and drawings of plans, sections and elevations are included.

Algirdas Julien Greimas: Maupassant: The Semiotics of Text, translation and introduction by Paul Perron (John Benjamins; 258 pages; \$48 US cloth, \$19 US paper). An introduction to the subtleties, complexities and rigour of Greimas' semiotic theory. Maupassant's short story "Two Friends" is examined in order to test the theory and work out a methodology that can be applied to the analysis of narrative discourse, starting with the oral tale and ending with the written tale as literary genre.



HartHouse

food services

CHRISTMAS HOURS

GREAT HALL

Friday, Dec. 9, (last day for regular dinner service)

Friday, Dec. 16, (last day for regular luncheon service)

Monday, Jan. 2, 1989 (regular lunch and dinner service resumes)

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Friday, Dec. 9, (last day for dinner service) Fully Licensed

Thursday, Dec. 22, (last day for luncheon service)

Monday, Jan. 2, (luncheon service resumes)

Monday, Jan. 9, (dinner service resumes)

ARBOR ROOM

Weekends: service ends Sunday, Dec. 11 and resumes Saturday, Jan. 7, 1989.

Evenings: service ends Tuesday, Dec. 13 and full service resumes Mon. Jan. 2. NOTE: Dec. 14 - 16 hours are 4:00 - 8:00 p.m. (may vary according to business levels)

Days: service ends Friday, Dec. 23 and resumes Monday, Jan. 2, 1989.

TUCK SHOP

Monday, Dec. 12, (last night for service)

Friday, Dec. 23, (last day for service)

Monday, Jan. 2, 1989, (day and evening service resumes)



Events

Lectures

The Management and Motivation of Boards.

Tuesday, November 22
Aaron Milrad, lawyer. Room R-3232, Scarborough College. 2 to 5 p.m.
(Arts Administration Programme, Scarborough)

Rabelais Among the Censors (1540-1940).

Thursday, November 24
Prof. Natalie Davis, Princeton University; annual Erasmus lecture. 003 Northrop Frye Hall, Victoria College. 8 p.m.
(Renaissance & Renaissance Studies)

Homer's Anthropomorphism: Ritual and Narrative.

Friday, November 25
Prof. Walter Burkert, University of Zürich. 161 University College. 3.10 p.m.
(Classical Studies)

25 + Years of Gas-Phase Ion-Molecule Reactions.

Friday, November 25
Prof. A.G. Harrison, Department of Chemistry; distinguished lecture series. 158 Lash Miller Chemical Laboratories. 3.30 p.m.
(Chemistry)

"This Crime So Secret and Loathsome": The Legal and Religious Context of Jean Bodin's Demonomanie.

Friday, November 25
Prof. Jonathan Pearl, history, Scarborough Col-

lege. Senior Common Room, Burwash Hall, Victoria College. 4.30 p.m.
(Renaissance & Reformation Colloquium)

Worlds Created in the Computer.

Sunday, November 27
Prof. Alexander Keewatin Dewdney, University of Western Ontario. Auditorium, Medical Sciences Building. 3 p.m.
(Royal Canadian Institute)

Where Does Peace Start?

Tuesday, November 29
Rabbi W. Gunther Plaut, Holy Blossom Temple; lecture in Peace Studies. 179 University College. 8 p.m.
(UC, Lawyers for Social Responsibility and Science for Peace)



Secrets of a Greek Warrior's Bronze Helmet in the ROM.

Wednesday, November 30
Susan Stock, Royal Ontario Museum. Lecture room, McLaughlin Planetarium. 5.15 p.m.
(Archaeological Institute of America, Toronto Society)

European Jewry and the First Crusade.

Thursday, December 1
Prof. Robert Chazan, New York University; Joseph and Gertie Schwartz memorial lecture. 3171 Medical Sciences Building. 8 p.m.

State to State Reaction Dynamics.

Friday, December 2
Prof. R.N. Zare, Stanford University; distinguished lecture series. 158 Lash Miller Chemical Laboratories. 3.30 p.m.
(Chemistry)

The Children and Grandchildren of War: The Fate of an Estonian Generation.

Friday, December 2
Prof. Tõnu Parling, visiting Estonian Studies. East Hall, University College. 8.30 p.m.
(Estonian Studies and Estonian Studies Foundation)

Taking Our Time: Feminist Perspectives on Temporality.

Monday, December 5
Frieda Forman, OISE; Popular Feminism lecture and discussion series. Room 2-211, Ontario Institute for Studies in Education, 252 Bloor St. W. 8 p.m.
(Women's Studies in Education, OISE)

Non-violent Resistance to Official Terrorism.

Tuesday, December 6
Ken Hancock, coordinator of Alliance for Non-violent Action. 179 University College. 8 p.m.
(Nurses for Social Responsibility and Science for Peace)

India and Mesopotamia: Gods, Temples and Why.

Wednesday, December 7
Prof. Ronald Morton Smith, Department of East Asian Studies. Auditorium, Medical Sciences Building. 8 p.m.
(Society for Mesopotamian Studies)

Surface Chemistry of Microfabricated Structures.

Friday, December 9
Prof. M.S. Wrighton, Massachusetts Institute of Technology; distinguished lecture series. 158 Lash Miller Chemical Laboratories. 3.30 p.m.
(Chemistry)

Meetings & Conferences

University Affairs Board.

Tuesday, November 29
Council Chamber, Simcoe Hall. 4 p.m.

Academic Board

Thursday, December 1
Council Chamber, Simcoe Hall. 4 p.m.

Business Board.

Monday, December 5
Council Chamber, Simcoe Hall. 4 p.m.

The Sociology of a Country House Library: The Book-Collecting Earls of Castle Howard.

Friday, December 9
Christopher Ridgway, librarian of Castle Howard, Yorkshire; meeting of Friends of the Fisher Rare Book Library. Fisher Library. 8 p.m.
Information: Rita Crump, 978-7645.

Films

Desire, Difference, Deception: A Feminist Film Series.

Tuesday, November 22
On Guard; Bleu Brume.

Tuesday, November 29
Broken Mirrors.

Tuesday, December 6
Calling the Shots. Auditorium, Ontario Institute for Studies in Education, 252 Bloor St. W. 8 p.m.
Tickets \$3.
(Centre for Women's Studies (OISE), Women's Studies, Cinema Studies, Sociology Students' Caucus (OISE), Feminist Film Group)

Innis Fall Film Program.

Thursday, November 24
Maya Deren; films by founding figure of the American avant-garde.
Tickets \$3.

Thursday, December 1
Chronicle of Anna Maria Magdalena Bach, Eaux D'Artifice; sponsored by the Goethe Institute. Innis College Town Hall. 7 p.m.

Seminars

Optical Nonlinearities in Semiconductors.

Tuesday, November 22
Prof. Stephan W. Koch, University of Arizona. 134 McLennan Physical Laboratories. 4 p.m.
(Ontario Laser & Lightwave Research Centre)

Molecular Analysis of Naturally Occurring and Transgenic Developmental Mouse Mutants.

Wednesday, November 23
Prof. Alan Bernstein, Department of Medical Genetics. 2172 Medical Sciences Building. 4 p.m.
(Pathology)

The Main Problems in Respect of Linguistic Contacts in the Carpathian Region.

Thursday, November 24
Prof. Janus Rieger, University of Warsaw. 3037 Sidney Smith Hall. 4 to 6 p.m.
(Ukrainian Studies)

Desiccation as the Switch from Seed Development to Germination.

Thursday, November 24
Prof. J. Bewley, University of Guelph. 2082 South Building, Erindale College. 5 p.m.
(Erindale Biology)

Mechanisms of Oxidative Stress-induced Cell Death.

Monday, November 28
Prof. Larry McGirr, Faculty of Pharmacy. 519 Pharmacy Building. 12 noon.
(Pharmacy)

Police Corruption in Late 19th-Century Uttar Pradesh.

Monday, November 28
Derek E. Blackadder, Centre for South Asian Studies. 2090A Sidney Smith Hall. 4 p.m.
(South Asian Studies)

Molecular Beam and Laser Spectroscopic Studies of Gas-Surface Interactions.

Tuesday, November 29
Prof. Steven Sibener, University of Chicago. 134 McLennan Physical Laboratories. 4 p.m.
(Ontario Laser & Lightwave Research Centre)

The Effect of Organic Lead on the Autonomic Nervous System.

Wednesday, November 30
Prof. Peter Little, University of Guelph. 2172 Medical Sciences Building. 4 p.m.
(Pathology)

Nonlinear Dynamics of Cardiac Arrhythmias.

Wednesday, November 30
Prof. Leon Glass, McGill University. 102 McLennan Physical Laboratories. 4 p.m.
(Nonlinear Studies Group)

The Talmud and 13th-Century Christian Missionizing among the Jews.

Thursday, December 1
Prof. Robert Chazan, New York University. Choir Room, Massey College. 3 p.m.
(Joseph and Gertie Schwartz Memorial Fund)

Male Reproductive Competition in Field Crickets.

Thursday, December 1
Prof. William Cade, Brock University. 2082 South Building, Erindale College. 5 p.m.
(Erindale Biology)

What Did Gorbachev Learn from Sakharov and Solzhenitsyn?

Friday, December 2
Prof. Michael Scammell, Cornell University. Adams Room, St. Hilda's College. 12 noon to 2 p.m.
(Russian & East European Studies)

Evolution of the Golden Asters (*Heterotheca*) in Mexico and S.W. United States of America.

Friday, December 2
Prof. J.C. Semple, University of Waterloo. 7 Botany Building. 3.30 p.m.
(Botany)

Microencapsulation of Cells for Hormone Delivery.

Monday, December 5
Prof. A. M-F. Sun, Department of Physiology. 519 Pharmacy Building. 12 noon.
(Pharmacy)



Lest We Forget: A Preliminary Study of Ukrainian Canadian Gravemarkers.

Thursday, December 8
Prof. Enrico Cumbo, Department of History. 3037 Sidney Smith Hall. 4 to 6 p.m.
(Ukrainian Studies)

Diet Selection by Yellow Perch and its Relationship to Growth Rate.

Thursday, December 8
Prof. Joe Rasmussen, McGill University. 2082 South Building, Erindale College. 5 p.m.
(Erindale Biology)

The Relative Importance of Resource Competition and Disturbance in a Forested Ecosystem, Northwestern Minnesota.

Friday, December 9
Prof. J.S. Clark, New York State Museum. 7 Botany Building. 3.30 p.m.
(Botany)

Drug and Metabolite Processing in the First-pass Organs: The Intestine and Liver.

Monday, December 12
Xin Xu, Faculty of Pharmacy. 519 Pharmacy Building. 12 noon.
(Pharmacy)



The Food Services Advisory Committee has been established with the following terms of reference:

To recommend a policy that will serve as the context for evaluation for the current caterers' services provided to the University of Toronto's community. Certain issues will be examined such as:

- Duties of service
- Convenience of location
- Staffing
- Desirability and variability of student's needs in residence
- Number of units on campus
- Variety of cash units types
- Catering business
- Price levels
- Financing policy
- Environmental concerns

The committee would like to invite any persons who have information, ideas or opinions on food services policy on any aspect of the Committee's terms of reference, to communicate them by November 30, 1988 in writing to:

Ms. Robin Toderian,
Secretary,
Food Services Advisory Committee,
Room 240,
Simcoe Hall,
University of Toronto



Events



Professor Jonathan Pearl will lecture on the legal and religious context of Jean Bodin's *Demonomanie*. For details see Lectures.

Music

ROYAL CONSERVATORY OF MUSIC

Noon Hour Series.

Wednesday, November 23
Mary Kenedi, piano.

Monday, November 28
Julian Milkis, clarinet and Marianna Rozenfeld-Milkis, piano; in cooperation with CJBC Radio.

Wednesday, December 7
Calvin Church, piano. Concert Hall. 12.15 p.m.

Twilight Series.

Thursday, November 24
Peggie Sampson, viola da gamba and Elizabeth Keenan, harpsicord. Concert Hall. 5.15 p.m.
Tickets \$2, students and seniors \$1.

Maurice Solway Scholarship Concert.

Thursday, November 24
Maurice Solway, violin and Kevin Fitz-Gerald, piano. Concert Hall. 8 p.m.
Tickets \$9, students and seniors \$6. RCM box office, 978-5470.

Piano Master Class.

Wednesday, November 30
Leon Fleisher. Concert Hall. 9.30 a.m. to 12.30 p.m. and 2 to 5 p.m.
Tickets \$7 per session, free to faculty and students.

Evening Concert Series.

Friday, December 2
Susan Hoepfner, flute; Marianna Rozenfeld-Milkis, piano; and Julian Milkis, clarinet. Concert Hall. 8 p.m.
Tickets \$9, students and seniors \$6.

New Music Concerts.

Saturday, December 3
Composer's world; Iannis Xenakis. Concert Hall. 10.30 a.m.
Tickets \$3, free to conservatory students and New Music Concerts subscribers.

Alumni Association Concert.

Saturday, December 3
Piano fund gala concert featuring conservatory faculty and guest artists. Concert Hall. 8 p.m.
Tickets \$35. RCM box office, 978-5470.

Children's Choir and Junior Orchestra.

Saturday, December 10
Directed by Ann Cooper Gay and Mark Wells. Knox College Chapel. 2 p.m.
Tickets \$4, students and seniors \$2.

Art Gallery of Ontario Series.

Sunday, December 11
Anne McWatt, mezzo-soprano and Russell Braun, baritone. Walker Court, Art Gallery of Ontario. 3 p.m.

Information on all Conservatory concerts available from the publicity office, 978-3771.

FACULTY OF MUSIC EDWARD JOHNSON BUILDING

Guitar Ensemble.

Wednesday, November 23
Eli Kassner, director. Walter Hall. 8 p.m.
Tickets \$4.

Opera Excerpts.

Friday, November 25 and Saturday, November 26
Fully staged and costumed excerpts from the operatic repertoire. MacMillan Theatre. 8 p.m.
Tickets \$7, students and seniors \$5.

U of T Chamber Orchestra.

Wednesday, November 30
David Zafer, conductor. Walter Hall. 8 p.m.
Tickets \$4.

Thursday Noon Series.

Thursday, December 1
Featuring works by student composers.

Thursday, December 8
Featuring performances by student string quartets. Walter Hall. 12.10 p.m.

Concert Choir.

Friday, December 2
Doreen Rao, director. Walter Hall. 8 p.m.
Tickets \$4.

U of T Jazz Ensemble.

Saturday, December 3
Phil Nimmons, director. MacMillan Theatre. 8 p.m.
Tickets \$7, students and seniors \$5.

Concert Band.

Sunday, December 4
Melvin Berman, conductor. MacMillan Theatre. 2 p.m.
Tickets \$4.

University Symphony Chorus.

Wednesday, December 7
Doreen Rao, conductor. MacMillan Theatre. 8 p.m.
Tickets \$4.

Information on all events in the Edward Johnson Building available from the box office, 978-3744.

Orpheus Choir of Toronto

Friday, December 9
First in series of three concerts. St. James' Cathedral, 65 Church St. 8.15 p.m.
Subscription series \$35; advance tickets \$14, students and seniors \$11; single tickets at the door \$15, students and seniors \$12.
Information: 462-0160.

Colloquia

Ellipticals: Activity and Diet.

Wednesday, November 23
Prof. Jacqueline van Gorkom, Columbia University. 203 McLennan Physical Laboratories. 3.10 p.m.
(Astronomy)

Explanatory Structures and Models in Descartes' Physics.

Thursday, November 24
Prof. W. Alan Gabbey, Queen's University, Belfast; visiting Institute for the History & Philosophy of Science & Technology. 10th floor lounge, 215 Huron St. 4 p.m.
(Philosophy)

The Image of the Locomotive in North America in the 19th Century.

Thursday, November 24
Ralph Greenhill, author and former supervising technician, CBC. 323 Victoria College. 4.10 p.m.
(IHPST)

Fundamental Physics in the Nucleus: A Precise Test of the Weak Force.

Thursday, November 24
John Hardy, AECL, Chalk River. 102 McLennan Physical Laboratories. 4.10 p.m.
(Physics)

Ajativada: Mid-point between Mahayana and Vedanta?

Friday, November 25
Prof. Douglas Fox, Colorado College. Religious Studies lounge, 14-352 Robarts Library. 1.15 p.m.
(Centre for Religious Studies)

Computers in Education

Friday, November 25
Prof. Judah Schwartz, Harvard University; OISE Centre for Applied Cognitive Science colloquium series. Board Room, 12th floor, Ontario Institute for Studies in Education, 252 Bloor St. W. 2 to 4 p.m.
(Centre for Applied Cognitive Science, OISE)

International Publishing in the Sciences: Costs, Change and the Challenge of New Technology.

Friday, November 25
Simon Mitton, Cambridge University Press. 202 McLennan Physical Laboratories. 3.10 p.m.
(Astronomy)

Pictures, Metaphor and the Blind.

Monday, November 28
Prof. John Kennedy, psychology, Scarborough College; OISE Centre for Applied Cognitive Science colloquium series. Room 4-411, Ontario Institute for Studies in Education, 252 Bloor St. W. 12 noon to 2 p.m.
(Centre for Applied Cognitive Science, OISE)

Life and Death in the Inner Solar System.

Wednesday, November 30
Sidney van der Bergh, Dominion Astrophysical Observatory. 203 McLennan Physical Laboratories. 3.10 p.m.
(Astronomy)

Anthropology and Australian Aboriginal Religion.

Thursday, December 1
Prof. Max Charlesworth, Deakin University, Australia. Religious Studies lounge, 14-352 Robarts Library. 3 p.m.
(Centre for Religious Studies)

Subcritical Dynamo Action in the Earth's Core.

Thursday, December 1
Prof. Paul Roberts, University of California at Los Angeles. 102 McLennan Physical Laboratories. 4.10 p.m.
(Physics)

Women's Confraternities and the Making of a Devotional Revolution among the Irish Catholics of Toronto.

Friday, December 2
Brian Clarke, Centre for Religious Studies. Religious Studies lounge, 12th floor, Robarts Library. 1.15 p.m.
(Centre for Religious Studies)

Aspects of Induction.

Monday, December 5
Prof. Robert Lockhart, Department of Psychology; OISE Centre for Applied Cognitive Science colloquium series. Room 3-312, Ontario Institute for Studies in Education, 252 Bloor St. W. 12 noon to 2 p.m.
(Centre for Applied Cognitive Science, OISE)

From Femtoseconds to Funding: The Nature of S and T Decision-Making in Canada.

Thursday, December 8
Prof. Geraldine Kenney-Wallace, Department of Chemistry. 102 McLennan Laboratories. 4.10 p.m.
(Physics)

The Sikh Rahit.

Friday, December 9
Prof. W.H. McLeod, Otago University, New Zealand. Religious Studies lounge, 12th floor, Robarts Library. 1.15 p.m.
(Centre for Religious Studies)

Events deadlines

Please note that information for Events listings must be received in writing at the *Bulletin* offices, 45 Willcocks St., by the following times:

Issue of December 12, for events taking place Dec. 12 to Jan. 9,
Monday, November 28
Issue of January 9, for events taking place Jan. 9 to Jan. 23
Monday, December 19

ESSAY CONTEST

The Department of Philosophy is sponsoring an essay contest on the topic of **Fundamental Theories of Aphasia**. Entries may be submitted for either of two separate competitions: one for university faculty members and one for all others (including graduate students and professionals working in the area of aphasia). The winner in each competition will receive a prize of \$500 plus the opportunity to present the paper to a special colloquium sponsored by the Department.

Entries should be sent to:

Aphasia Essay Contest
Department of Philosophy
University of Toronto
Toronto, Ontario
Canada M5S 1A1

Deadline for submission is 15 January 1989

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Events

Exhibitions

ERINDALE COLLEGE

Winters in Toronto.

To November 30
Works of Arto Yuzbasiyan, mixed media. Art Gallery.
Hours: Monday to Sunday, 2 to 5 p.m.
Information: 828-5214.

ROBARTS LIBRARY

Regard sur les collections de la Bibliothèque nationale du Québec.

To November 30
A collection of historical documents, maps, book, posters, photographs, sheet music and postcards; sponsored by the Ministère des Affaires culturelles, Bibliothèque nationale du Québec and the Ontario Ministry of Culture & Communication. Main Display Area.
Hours: Monday to Friday, 8:30 a.m. to midnight; Saturday, 9 a.m. to 10 p.m.; Sunday, 1 to 10 p.m.

VICTORIA COLLEGE

Grand Zero.

To December 2
Mixed media paintings by John Di Leonardo. First floor, Northrop Frye Hall.
Hours: Monday to Thursday, 9 a.m. to 9 p.m.; Friday, 9 a.m. to 6 p.m.

SCARBOROUGH COLLEGE

Contemporary Art in Scarborough.

To December 9
Sandy Brand, Falia Damianakis, Steve Hunt, Richard Hydal, Diane Lingenfelter and Reni Packer; in association with Arts Scarborough. The Gallery.
Gallery hours: Monday to Friday, 11 a.m. to 4 p.m.

JUSTINA M. BARNICKE GALLERY, HART HOUSE

To December 15

The Art of Jeremy Smith.

Paintings and drawings; circulated by the Kitchener/Waterloo Art Gallery. East Gallery.

Aesthetic Emotion: Works by David B. Milne.

Selections from the Hart House permanent collection. West Gallery.
Gallery Hours: Tuesday to Thursday, 11 a.m. to 9 p.m.; Friday and Saturday, 11 a.m. to 6 p.m.; Sunday, 2 to 5 p.m.

FISHER RARE BOOK LIBRARY

Padlocked! An Exhibition of Czech and Slovak Independent Writings.

To January 6
Features works by banned Czech and Slovak authors, the archives of the Czech Jazz Section and documents issued by Charter 77. 1st and 2nd floors.
Hours: Monday to Friday, 9 a.m. to 5 p.m.

FACULTY OF ARCHITECTURE & LANDSCAPE ARCHITECTURE

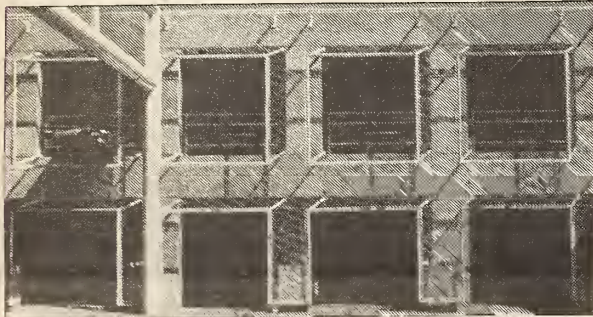
George Hargreaves: Specific Landscapes.

November 22 to December 15
A survey of projects built mainly in the western US; from the Graduate School of Design, Harvard University. The Galleries, 230 College St.
Gallery hours: Monday to Friday, 9 a.m. to 5 p.m.

Plays & Readings

White Oaks.

Wednesdays to Sundays, November 23 to November 27
By Mazo de la Roche.
Preview, Tuesday, Nov. 22. Graduate Centre for the Study of Drama production, 1988-89 season. Robert Gill Theatre, Koffler Student Services Centre.
Performances at 8 p.m. except Sunday 2 p.m.
Tickets \$6, students and seniors \$4; preview \$3.
Reservations: Monday to Friday, 11 a.m. to 5 p.m., 978-7986.



Regent Square, La Jolla, California, from the exhibition, George Hargreaves: Specific Landscapes.

Miscellany

Computer Representation of Implicit Textual Features.

Tuesday, November 22
A discussion. Formal Critical Explication: Towards an Operational Notation. W.G. Winder, Department of French. Grammatical Constructions and Metric Divisions in the Old French Epic Using WordCruncher, MTAS and TACT. Prof. E.A. Heinemann, Department of French. 240 Larkin Building, Trinity College. 4.15 p.m. (Centre for Computing in the Humanities)

Convocation.

Tuesday, November 22
Faculty of Arts & Science (except Erindale College). Honorary graduand Prof. Walter Burket will address convocation.

Wednesday, November 23
Scarborough and Erindale Colleges, professional faculties and Woodsworth College diplomas and certificates. Prof. C.C. Gottlieb will address convocation.

Thursday, November 24
School of Graduate Studies. Honorary graduand St. Clair Balfour will address convocation.

Friday, November 25
School of Graduate Studies. Honorary graduand Dr. John H. Sword will address convocation. Convocation Hall. 8.15 p.m.

Economic Analysis of Tort Law: Intellectual History and Contemporary Use in Case Law.

Wednesday, November 23
Prof. Izhak Englard, Hebrew University of Jerusalem; law and economics workshop series. Solarium, Falconer Hall, Faculty of Law. 12 noon to 1.45 p.m.
Tickets \$3.

Information and registration: Joyce Williams, 978-6767. (Law)

Vital Signs: Combined Life Sciences Poster Session.

Friday, November 25
Entries from all life-science disciplines. 010 Ramsay Wright Zoological Laboratories. 2 to 6 p.m.
Information: 978-3476.

Federalism and the Myth of the Federal Spending Power.

Friday, December 2
Prof. Andrew Petter, University of Victoria; legal theory workshop series. Solarium, Falconer Hall, Faculty of Law. 1 to 3 p.m.
Tickets \$3.
Information and registration: Joyce Williams, 978-6767. (Law)

Class Environmental Assessment for Timber Management of Crown Land in Ontario: An Open Discussion.

Tuesday, December 6
A discussion with forestry professionals, naturalists, industry representatives and the Ontario Ministry of Natural Resources. 3154 Medical Sciences Building. 7 p.m.
(Forestry and Canadian Institute of Forestry)

Positions Elsewhere

Notice of the following vacancies outside the University has been received by the Office of the President.

Queen's University
Dean, Arts and Science and Dean, School of Graduate Studies and Research
For further information contact: Office of the Principal, Queen's University, Kingston, Ont. K7L 3N6

University of Saskatchewan
President
For further information contact: D. Whiteman, Chairman, Search Committee and Chairman of the Board, University of Saskatchewan, Saskatoon, Sask. S7N 0W0

California State University at Hayward
Assistant Professor and Annual Lectureship
Both positions in geography and environmental studies; assistant professor position tenure track. Send applications to: Vincent K. Shaudys, Chair, Department of Geography and Environ-

mental Studies, California State University, Hayward, CA 94542

University of Southern California
Registrar and Dean, Admissions and Financial Aid
Nominations and applications should be sent to: Mrs. Janet K. Chaudhuri, Assistant Provost, ADM 102, University of Southern California, Los Angeles, CA 90089-4019

Hoover Institution
Director
For further information contact: Gerald A. Dorfman, Chairman, Search Committee, Hoover Institution, Stanford, CA 95305-6010

University of Iowa
Vice-President, Academic Affairs and Dean of the Faculties and Vice-President, Research
For further information contact: Office of the President, University of Iowa, Iowa City, IA 52242

ORPHEUS CHOIR of Toronto

Friday
December 9, 1988

MENDELSSOHN

Te Deum

WILLIAMSON

The World at the Manger

WILLAN

Missa Brevis No. 4

Brainerd Blyden-Taylor
Conductor

St. James' Cathedral
65 Church St./King St.

8:15 p.m.

Tickets at door
or TICKETMASTER

\$15 (Students/Seniors \$12)

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reading from his novel *A Casual Brutality*

TIM WYNNE-JONES

reading from his novel *Fastyngange*

RICK SALUTIN

reading from his novel *A Man of Little Faith*

Tuesday, Nov. 22nd, at 8 pm
George Ignatieff Theatre
15 Devonshire Place

(1 bl. east of St. George, south of Bloor)

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For more information call 978-7907

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University of Toronto BOOKSTORE

presents

June Callwood

speaking about
JIM: A Life with AIDS

"More than a life story, this is the best handbook available on the disease. It's written in easy and accessible language, better than most of the books on the subject... Thank God that in Canada, June Callwood and Jim St. James... have shed a little light in our darkness." *The Globe and Mail*

Monday, December 5th, 8:00 pm
Sandford Fleming Bldg.
Rm. 1105, Lecture Theatre
10 King's College Road
(1 block east of St. George, north of College)

For information call 978-7907

Admission is free.

Autographed copies available.

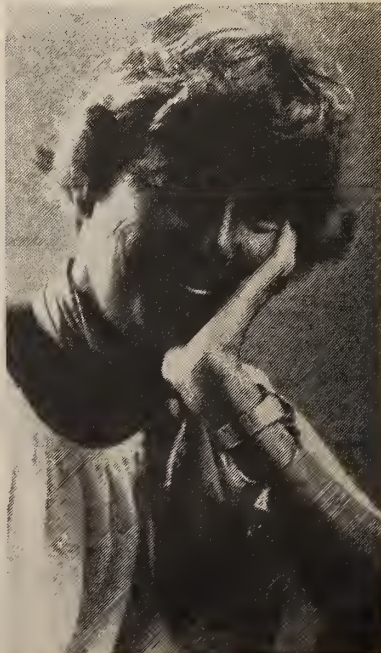


PHOTO: RANDY HAUNFELDER

Research Notices

For further information and application forms for any of the following agencies, please contact ORA at 978-2163.

Canadian Hypertension Society

A research fellowship program has been announced for young investigators in the field of hypertension. Awards are offered for research fellowships (MD), post-doctoral research fellowships (PhD) and research scholarships (MD).

Applications should be made on MRC 18 (fellowship) or MRC 19 (scholarship) forms and should be clearly identified as Canadian Hypertension Society/Industry/MRC fellowship or scholarship. Applicants should follow standard MRC guidelines for new fellowships and scholarships found in the MRC Guidebook 1988-89. These awards are in addition to the personal support awards available from MRC.

Deadline is *December 1*.

Ciba-Geigy Canada Limited/Medical Research Council

A joint venture with MRC has been announced for graduates and post-doctoral candidates from the Faculty of Pharmacy and Department of Pharmacology. In order to qualify, the research training must meet MRC standards and should be in the general areas of cardiovascular, anti-inflammatory, bone metabolism, or central nervous system.

Two new training awards will be selected each year and may be renewed yearly up to a maximum of three years. The two awards in the first academic year will be made from among the studentship category only, followed the year after by the fellowships and alternating each year thereafter.

For the 1989-90 competition application should be made on MRC 21 and should be clearly identified as Ciba Geigy/MRC studentship program. These awards are in addition to the personal support awards available from MRC.

Deadline is *December 1*.

Health & Welfare Canada Special Initiative on Community Health and Health Services Delivery — North of 60° (NHRDP)

A special competition has been announced for funding research projects directly relevant to the provision of community health and health services delivery in the north, or projects dealing with an integrated program of health and social services. Eligible areas are: innovative approaches to health services delivery in the north; mental health care in the north; northern health outreach programs;

cost effective improvement of the quality of health services delivery; the involvement of Native people in and the Native contribution to health care at the community level; the impact of lifestyle changes on health status in the safety and accident prevention; the coordination of health and social services at the local community level; pre-hospital emergency medical services to visitors; the role of local health committees in health education and the management of the health care system at the local level; health risks of exposure to environmental contaminants in the north; innovative approaches to the

provision of rehabilitation services in isolated communities.

A multi-stage application procedure is being implemented and letters of intent are invited for the first stage. Detailed research projects are not submitted at this stage.

Further details on the competition and format for the letter of intent may be obtained from ORA. The usual University signatures and regulations apply.

Preliminary submissions may be considered at any one of six deadlines over the next two years. The first deadline is *December 1*, with subsequent deadlines at four-month intervals.

Special Competition on Social Issues Affecting Services to HIV Infected Persons and Persons with AIDS (NHRDP/NWG)

Research projects and collaborative studies are encouraged in the following areas:

systematic study of needs (personal, social, economic and health care); study of barriers (attitudinal, physical, financial, policies and practices) affecting the delivery of services (transportation, financial assistance, home support, community-based and institutional); study of individual and societal responses, for example, discrimination in housing and employment; evaluations of the efficiency and effectiveness of social service programs including palliative care programs; study of the ability of social service resources (material and human) to address the needs of the current and growing number of persons with HIV infection/AIDS; study of the social and ultimately service delivery consequences of risk-taking behaviour by persons with HIV infection/AIDS; study of the needs of social service and health care professionals working with persons with HIV infection/AIDS; study of the special impact of HIV infection/AIDS on native people in Canada, as it relates to the delivery of service; study of the special impact of HIV infection/AIDS on ethnic minorities in Canada, as it relates to the delivery of service; study of the special issues of HIV infection/AIDS as they affect women and family members (especially wives and children), and the services required to address those issues; study of the role and effectiveness of informal support systems, including self-help programs; study of the impact on the mental health of those infected and on that of their families.

Full application on NHRDP 1 forms prepared in accordance with the 1987/88 NHRDP Projects Guide. Deadline is *December 16*.

Squibb Canada Inc.

Funds are offered for biomedical research in molecular genetics, development biology or immunology. The sponsor suggests a network composed of university-based investigators with complementary expertise involved in a series of individual research projects around a central theme.

There is no specific application form but the MRC 11 format for operating grants can be used as an example. Further details are outlined in the sponsor's announcement available at ORA.

Investigators are reminded that proposals with a value of

\$200,000 and over per annum require a planning and resources statement. The usual University signature regulations apply. Deadline is *December 31*.

Upcoming Deadline Dates

Agriculture Canada — research grants: *December 1*.

American Health Assistance Foundation — coronary heart and glaucoma research grants: *November 30*.

Arthritis Society — group facilitation (full application): *December 15*.

Canadian Fitness & Lifestyle Research Institute — research grants: *December 3*.

Canadian Hypertension Society — fellowships; scholarships: *December 1*.

Canadian Psychiatric Research Foundation — fellowships: *November 30*; research grants: *December 16*.

CNIB (E.A. Baker Foundation) — research grants; fellowships: *December 1*.

Damon Runyon-Walter Winchell Cancer Research Fund: *December 15*.

Diabetes Canada — scholarships, fellowships, studentships, bursaries and traineeships: *December 1*.

Federal Networks of Centres of Excellence — research grants: for deadline in Ottawa Nov. 30, internal deadline at ORA, *November 24*.

Gerontology Research Council of Ontario — research fellowships (new): *December 1*; (renewal): *February 15*; advanced student bursary: *January 15* (please note changes)

Hannah Institute — summer studentships: *December 1*.

Health & Welfare Canada, NHRDP/NWG — mental health literature review: *November 18*; research grants, studies, demonstration projects, preliminary development projects, north of 60° special competition (letters of intent): *December 1*; HIV/AIDS special competition (full application): *December 16*; mental health field projects only: *February 1*.

Huntington Society of Canada — fellowships; research grants: *December 1*.

International Union Against Cancer — Yamagiwa Yoshida memorial international cancer study grants: *December 31*.

Lady Davis Fellowship Trust — visiting professorship (Israel only): *December 1*.

Lithoprobe — research grants: *December 16*.

Medical Research Council — NIH international research fellowships (nominations); studentships (new); fellowships (new and renewal); MRC/Ciba Geigy studentships, fellowships (pharmacy or pharmacology only); centennial fellowships; travel grants: *December 1*; dental fellowships: *January 1* (please note changes).

Muscular Dystrophy Association of Canada — post-doctoral or clinical fellowships, pre-doctoral and summer fellowships: *January 15* (please note change).

National Cancer Institute of Canada — equipment, research grants; Terry Fox new investigators: *November 15*.

National Research Council of Canada — Canada-France science and technology cooperation program: *November 30*.

NSERC — scholarships and fellowships: *December 1*; visiting fellowships in Canadian government laboratories: *December 15*; updates to personal data forms: *December 31*.

Ontario Department of

Fisheries & Oceans — sciences subvention program: *December 31*.

Ontario Mental Health Foundation — publication and conference grants, all personnel awards: *November 30*.

Ontario Ministry of Health — health system-linked research units: *December 1*; feasibility/formation,

workshops/conferences: *any time*.

Rockefeller Foundation — women's status and fertility research grants: *December 1*.

Smokeless Tobacco Research Council — research grants: *December 31*.

Squibb Canada Ltd. — research grants: *December 31*.

U of T, Humanities &

Social Sciences Committee of the Research Board — travel grants for international scholarly conferences: *December 15*;

Connaught phase II new staff research support — *January 15* competition cancelled.

Whitehall Foundation — research grants (limited life sciences only): *December 1*.



Letters

Why waste further millions on the Cray supercomputer?

THE PAST is behind us, and we obviously can't return to it. Yesterday's waste on the Cray supercomputer could have been, and should have been, avoided. It wasn't, and we can't reverse what's been done.

But why continue to waste further millions on the Cray now? To minimize any future waste and to turn around the distressing Cray problem, action can be taken, and should be taken today. Such action presumes some degree of technical judgement as well as innovation and courage by those in charge. Based on past experience, neither judgement nor innovation have been our strong suit.

I believe the research community within U of T and within Ontario needs access to large-scale computing; I always have. At the same time, I hold that a self-serving attitude, which assumes large-scale computing at any price (or regardless of cost effectiveness so long as someone else pays) should not be encouraged, and is counter-productive for all of us in the long run.

What should, or can be done? The inescapable problem with our Cray X/MP is that it is an obsolete white elephant for most of what it does, and it has an unconscionable cost associated with it. It has to be replaced.

At present, U of T pays about \$1 million per year to Cray just to maintain our system. This is a substantial sum. Saving on this maintenance expense alone can be the source of capital funding for its replacement. Today, for a million dollars, we can purchase competitive computer systems from other vendors that would, on average, have a higher computing throughput rate than the current Cray X/MP. Once acquired, the annual maintenance charges for such new systems would be less than \$100,000 a year, or less than 10 percent of the current Cray expense.

Such an operation would be both viable and cost-effective; a legitimate

foundation for a revitalized Ontario Centre for Large Scale Computation. To realize it, we require some informed, innovative action and the courage to stop wasting millions.

George J. Luste
Department of Physics

Statement misleads

UNFORTUNATELY I am too old a hand to be excited by paragraph II-3 ("Emphasizing the importance of teaching; providing opportunities for its improvement...") in the Statement of Institutional Purpose published in the *Bulletin* (Nov. 7). However, I am concerned that such a statement might mislead some of my more naive colleagues into imagining that there is a real commitment from the administration to the teaching process. Their disillusionment, like mine, would not be healthy for the University.

Accordingly I suggest that the Academic Board insist that this and other statements be reworded to be more in keeping with reality. It would be valuable for them to consider the history of support for these ideal aims for the last few years or so; a convenient starting place might be the annihilation of the Educational Development Office in 1983.

Anthony W. Key
Associate Chair
(Graduate Studies)
Department of Physics

Problems with the North Borden Building

AS TEACHING ASSISTANTS in the Department of Sociology we are writing to express our dissatisfaction with working conditions in the North Borden Building. Although recent media reports have highlighted the health and safety risks in this building these problems demand elaboration. Specifically, we are outraged over the following conditions:

- PCBs are stored on the property and secured only with a common padlock which could easily be bought at any local hardware store and broken with a screwdriver
- during a recent tour of the building, representatives from both the Office of Environmental Health & Safety and the Physical Plant Department of the University of Toronto expressed concern that the building's main staircase is a dangerous fire hazard
- there is no fire escape from the roof of the third floor
- the office space designated for TA use

is inadequate for the number of TAs holding office hours and has poor ventilation and heating.

These conditions are not only a threat to our health and safety, they also have an adverse influence on our ability to be effective teaching assistants. As a result, it is difficult to provide undergraduate sociology students with the quality of education they deserve and the reputation of the University of Toronto is brought into question.

Bill McCarthy
Jackie Lewis
Heather Webster-MacLeod
H.M. Irving
Lisa Manuel
Mustafa Koc
Trevor Smith
Harris M. Rosen
Gavin Leeb
Yildiz Atasoy
Scot Wortley
David Michael Tanovich

The wisdom behind purchase of *Elegy*

I READ Professor Allan Greer's letter about the "unwise" purchase of Wolfe's copy of Gray's *Elegy* (*Bulletin*, Oct. 24) with dismayed interest. I am a librarian and a writer, and find his point of view a little blinkered. I suggest a different perception of this purchase and its value.

Professor Greer seems able to conceive of only a narrow line of research for which it is the library's responsibility to provide materials. I contend that both the library's responsibility and the domain of research are broader than he grants. For those of us interested in cultural attitudes, in the influence of literature (or any art, for that matter) upon action and thought, and in the myths we tell ourselves about ourselves, this book remains worthy of study. Myths have an extraordinary resilience, and manage to survive or to resurrect after any number of attempts to destroy them. It behooves us to be aware of them and the parts they play or have played in our lives, both individual and collective.

If General James Wolfe, that dauntless hero, was tumbled from his romantic pedestal some 30 years ago, I remain unaware of that fact. (And I was taught Canadian history in Canadian schools by Canadian teachers 25 years ago.) It wasn't until I began to look up Wolfe in various sources (as a response to the purchase of the *Elegy*) that I became aware that the current historical version of him was oddly abbreviated and terse, definitely at odds with the image of him which I retained from my school days.

The romantic Wolfe remains a figure in our history, accurately drawn or not,

and versions of him lie enshrined in Canadian culture and memory in forms as various as monuments and wax museums. If, as Northrop Frye has suggested, the correct version of a text is that version which encompasses all

versions, then it seems to me that, like it or not, Wolfe the dauntless hero remains a part of our history, though the part he plays may have changed, or be understood differently.

Part of the role of a research library is

to collect all versions of those texts which have been identified as falling within its areas of interest, so that we can understand them in their broadest ramifications. The areas of interest of any but the most specialized library are appropriately multiple.

The University of Toronto Library (like all libraries) is home to far more than the facts and interpretations of history. It necessarily houses lies, lunacies and dreams as well. It places both fact and fiction at our disposal, for us to use as we try to understand the things that interest us. It is also, and importantly, a *public* resource, and not an extension of faculty offices. Part of its function is to declare to the world at large that books and documents are important items to be treasured and celebrated.

I for one am happy to celebrate this particular acquisition, with all its dolorous romance, and apparently dubious usefulness. Utility as a measure of value is subject to individual perceptions and needs, and so capable of measurement by a variety of yardsticks. What is useful to me in my work is clearly quite different from what is useful to Professor Greer in his.

This acquisition has provoked me to think about many things, including the history of my country. Perhaps, by virtue of this purchase, the image of romantic General Wolfe who lingers in my memory still, will give way to a more accurate portrait of the "mediocre strategist who had luck on his side." My own notion is that my mind (like the library) can house both images of the general, and my understanding of myself as a Canadian be enriched through this double vision.

Helen Lenskyj
Associate Faculty
Centre for Women's Studies
in Education, OISE

Maureen Harris
Cataloguing-in-Publication
Coordinator
University of Toronto Library

Watch how you take off

I AM AMAZED that the *Bulletin* agreed to publish a free front-page advertisement for an organization such as Weight Watchers. The article entitled "Weighing the options" (October 24) is a thinly disguised promotional blurb for a program that preys on women's anxieties about their physical attractiveness in a society that views this as women's major asset. The article's gender-neutral language is, in this instance, neither egalitarian nor accurate, since the reader cannot help noticing that all those quoted are women, and that those participants who "work during the day and have children to look after at night" are, in all likelihood, female.

It seems to me that the article portrays Weight Watchers' approach as behaviour modification that promotes long-term dependence on the program. Those who achieve their weight loss goal (after at least \$89 worth of the program) become "life members" and "must attend one class a month" — with the added incentive that these visits will be free of charge if they stay within two pounds of their target weight! The lec-

turer quoted in the article appears to believe that overweight individuals lack self-discipline: "they can't lose [weight] on their own," she claims, and in the maintenance phase, they will only keep their weight constant if they attend the monthly class. No one would dispute that support is an essential part of any self-change project, but the best support comes without a price tag — from people who care about us, not from people who view us as recalcitrant children needing a few carrots and a few sticks!

The *Bulletin* would do well to promote programs both on and off campus that call for a more holistic, self-help approach to the very controversial issue of women and weight loss. Nutritionists covered by OHIP provide individual counselling on weight loss. Hart House and the Athletic Centre offer fitness, dance exercise and weight training instruction, as well as facilities for swimming, racquet sports, etc. And the U of T Women's Centre can help with setting up a self-help group for women who want support from friends rather than from a commercial enterprise.

Helen Lenskyj
Associate Faculty
Centre for Women's Studies
in Education, OISE

Maureen Harris
Cataloguing-in-Publication
Coordinator
University of Toronto Library

Weighing wrong options

YOUR ISSUE of October 24 included a front-page article, "Weighing the options," lauding the Weight Watchers At Work Program sponsored (and presumably endorsed) by the University's Office of Environmental Health & Safety. Before members of the University community rush to rid themselves of their excess poundage (and \$89 for the initial 10-week program), they should be aware that the demonstrated efficacy of this program is negligible. Weight-loss programs in general are notorious for their abysmal success rates, and Weight Watchers is likewise notorious for its long-standing refusal to allow independent investigators to examine the success of its customers. The value of the program — as presented in the article — is confined to enthusiastic promotions by the program organizers themselves, along with optimistic predictions by U of T staff members who *anticipate* the benefits of the program, based on the same "common-sense" principles of weight management that have proved so ineffective over the years.

U of T had a strong academic and clinical representation on the recently completed Health & Welfare Federal Task Force on the Treatment of Obesity. To the best of our knowledge, none of these individuals was asked by the Office of Environmental Health & Safety for an opinion on the advisability of our welcoming this commercial enterprise into our community. If such advice had been solicited, perhaps we would not be so eager to act as recruiting agents for

a business which charges clients for services such as the so-called "Quick Success Program" which allows less than 1,000 calories per day, far below the minimum caloric allowance recommended for dieters by the task force. One would have hoped that the Office of Environmental Health & Safety might consult the recognized experts on campus before falling for Weight Watchers' sales pitch. Perhaps staff members contemplating spending their money, time, and energy on this program will be wiser.

C. Peter Herman
Department of Psychology

Janet Polivy
Departments of Psychology and
Psychiatry



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Accommodation Rentals Available — Metro & Area

Bloor-St. George area. Luxury studio apartments from approximately \$750 per month. Could be partially furnished. Move-in condition. Sept. 15 onwards. Parking available. Phone 971-6094.

House for rent. 5-Bedroom, on Palmerston Gardens, near Dupont and Bathurst, ½ hour walk from U of T, 10 minutes from subway. April 1 — July 31, \$1,750/month, utilities included, parking, yard, patio, beautiful neighbourhood, furnished, fireplace. 978-8100, 538-8065.

Lawrence Park, pleasant large family home, furnished with study, family room, 5 appliances, private drive, 8 minutes to subway. Available January 1989 for 5 to 8 months, asking \$1,800 monthly plus utilities, call 481-0169 evenings.

Bloor/Spadina. Brunswick Ave. Renovated 1-bedroom apartment, split level, washer, dryer, deck, parking. \$1,250 per month. 920-5744.

Yonge — Lawrence subway, January — July 1989. Modern, furnished 2- to 3-bedroom town house. Air-conditioned, lovely garden. \$1,300/month plus utilities. Use of pottery studio negotiable. 488-0913/978-3577.

Chaplin Crescent. One-bedroom apartment, fully furnished. Inside parking. Close to all transportation. Available December 5 — March 31, 1989. \$900/month. 783-9112.

House for rent. Oakville East, prestigious area, scenic ravine, good schools, large, modern conveniences, top condition, 4 bedrooms, 2 bathrooms, fireplace. Available December 1st. 338-2945.

Bloor & Euclid. 3-Bedroom apartment on 2nd & 3rd floors of house. Eat-in kitchen, new bathroom, living-room, deck. Available January 1, 1989. \$1,375 + hydro. Mrs. Hill 665-8173 days, 449-0559 evenings.

Bloor-St. George. Luxury new sunny studio, 5 appliances, wall-to-wall, air conditioning, 24-hour security, at subway. Roof-top garden. Prime location. Available January 1, long- or short-term. \$925 inclusive. Negotiable. 922-2747.

Sabbatical Rental, six months beginning January 1. Six-room condominium town house, park-like setting off Avenue Road, walking distance U of T. Two bedrooms + den/third bedroom, two bathrooms, well-equipped kitchen, living/dining-rooms. Snow clearing, garden maintenance included. \$2,500/month, negotiable. 923-6732, Elaine; 598-6194, Cheryl.

Newly constructed luxury apartment on Donlands and Cosburn. Contain: 2 bedrooms, 5-piece bathrooms, kitchen, living-room & dining-room, private parking spot for one car. 3 skylights in 2nd floor apartment. Private verandas, entrances. \$850 to \$1,150 per month + ½ utilities. NO PETS! 447-9636, 9 to 4; 465-3726, evenings.

3-Storey house for rent, furnished. \$1,450 plus utilities. 5 bedrooms, 2nd floor laundry room, 2 bathrooms, garage. Available immediately. Ideal for family, visiting professor. Close to schools, subway, shops. Bloor West Village area. 767-1525.

Close to U of T. Major St., renovated, 3-bedroom, walk-out to garden, 4 appliances. \$1,400/month + utilities. December 1 — May 31. 963-9153.

Yonge/401. 2-Bedroom furnished house with study, family room, available January 1 — April 30, 1989. Reasonable rates in return for house care. 222-2920.

Unique, comfortable two-bedroom apartment in quiet renovated Victorian house; 1600 sq.ft. on two floors, dishwasher, laundry, broadloom, lots of storage and many extras; steps from main campus. \$1,250+/month, occupancy December. Evenings 967-4845.

Spacious furnished house. Minutes to U of T. Sunny eat-in kitchen, marble fireplace, red oak floors, French doors, large 3rd floor master bedroom, two decks. January — August 1989. Exceptional value. \$1,250+. Evenings 466-0631.

House to sublet. Danforth & Pape, renovated 3-bedroom, 5 appliances, quiet street, private drive, walk to subway, \$1,475 + utilities. Available January 1, 1989. Day: 978-5416; evening: 423-3031.

Three-bedroom newly renovated large two-storey apartment in home. Near public transportation. Immediate. First and last months' rent required. \$1,100 monthly. Call Joe, days 235-4771 or evenings 690-8937.

Basement apartment (Jones-Queen). Private entrance. Close to public transportation. Immediate. First and last months' rent required. \$550 monthly. Call Joe, days 235-4771, 690-8937.

A new basement apartment (unfurnished) on Willcocks Street; good light, open plan, private entrance, tiled-floor kitchen, new appliances, whirlpool bath, suit one person; \$750 per month; available January 1. Call Alan Thomas, 924-8598.

Carlton/Yonge subway. Furnished 1-bedroom penthouse, garage, laundry, swimming pool. January 1 — August 31. \$887. 595-1771, weekdays 9 a.m. to 6 p.m.

Cabbagetown — quiet street. 2-Bedroom, renovated, semi-detached, 5 appliances, garden, 2 decks, 2-car parking. Phone: 924-9168.

Charming 2-bedroom basement apartment — living-room, kitchen dining-room, bathroom, central air — beautiful neighbourhood. Ellesmere and Morningside, within walking distance of Scarborough campus. No smoking, no pets. \$1,200 per month. Phone: 287-0603.

Beaches, steps to transportation, Kew Gardens. 3-bedroom house, available December 17 — April 30. Non-smokers only. References required. \$1,100/month + utilities. 921-3776.

December sublet, downtown, near AGO, 1-bedroom furnished apartment. \$500 the month. Do you have friends coming for Christmas? Call Mary after 10 p.m. 340-6253 or (519) 853-4392.

Queen E./West of Beaches, quiet area. 2-bedroom, new renovation. Own entrance & mail box. Main floor and basement. Eat-in-kitchen, dining-room. Appliances. Private deck. Broadloom. Parking. Quiet non-smoking. \$875 +. References. 12 minutes TTC downtown. Call 469-1344.

Brunswick & Harbord. House for rent. Newly renovated & carpeted three-storey house. Three bathrooms, two kitchens, appliances. Suitable for single or double rental. Phone 920-3536 or 920-6690.

Bloor/Spadina. Brunswick Ave. 1-Bedroom apartment, newly decorated. Furnished, washer, dryer, deck, parking. Short- or long-term. \$1,250 inclusive. 920-5744.

Danforth/Chester. Large one-bedroom above quiet store. Suitable for single person/couple. Subway 2 minute walk. Sun-room, deck, exclusive use of backyard, ½ basement for storage/laundry, 4 appliances. \$900/month + utilities. Lease, references. 465-3945.

Annex 2-Bedroom Reno. Bright, spacious, fireplace, skylights, deck, entire top floor, on Albany ½ block from subway. \$1,360 + utilities. Laundry, dishwasher. For December 15th. 460-4901, ask for Bob Van or Bert.

Minutes from U of T. Fully furnished Victorian home. 5 bedrooms, study, screened porch, two decks, all appliances, fine garden. Available early January for seven months. \$2,000 per month plus utilities. 534-6054 (evenings), 978-3364 (days).

Annex — Mirvish Village, upper duplex, large 2 bedrooms, 2 baths, 5 appliances and garage. Upper level master bedroom with sitting-room and 5-piece ensuite. \$1,400 + utilities. 920-8547, leave message.

Central, 4-5 bedroom, beautifully renovated, comfortable family home, available furnished from January 1, 1989, for 6-9 months (negotiable). 2½ bathrooms, 2 fireplaces, large garden. Walk to Bloor subway, 2 km. from campus. Rent negotiable. Call (416) 535-4031 or write Green, 262 Rusholme Rd. Toronto, Ontario M6H 2Y8.

Parkdale, charming three-bedroom apartment on two floors in a clean, bright older home. Minutes to downtown and High Park. Broadloom, parking, cable and laundry included. Must be seen to be appreciated. \$1,250 inclusive. 233-6549.

High Park old world charm — Spanking new one-two bedroom apartment in a converted five-plex, 20' x 30' deck, new appliances, cable, garage, parking, laundry and storage in basement, all within walking distance to park. \$1,050 inclusive. 233-6549.

House for rent. Mississauga: Robert Speckway-Burnhamthorpe. 2-storey, 3-bedroom, 1½ bath, kitchen, garage, fireplace, air-conditioned. Walking distance to Square 1 & Central Pkwy. Mall. 1 bus to Islington Subway. Close to amenities. \$1,300 + utilities. Available December 16. 270-7676 evenings.

Wynford-DVP. Elegant Highgates at Concorde Place. Luxury condo, 1450 sq.ft., 1 bedroom + den, 1½ baths, 7 appliances + bar, discriminatingly furnished (leather, marble, brass), world class recreation facilities, excellent TTC service. \$1,750/month inclusive. 283-8655.

Accommodation Rentals Required

Wanted to rent (or house-sit): small, fully furnished apartment or room, short walking distance to University for professor, January 1 — April 8. Rent negotiable. Write: 4206 Darlington Court, Palo Alto, California 94306-4129, telephone after November 24: (415) 424-0171.

Accommodation Shared

Looking for a home? Four single, interesting women (lawyer, filmmaker, consultant, administrator) around 40 sharing a home in large house looking for 'mature' woman to join them. \$350 (all inclusive). Central. 862-0560 evenings.

Accommodation Out of Town

Relocating to Hamilton? Sheila Miller's Relocation Service will help you find rental accommodation to suit you. Specialty: visiting professors and their families, students. Short- or long-term, furnished or unfurnished, shared accommodation. Fee. Call (416) 628-2111.

Urbanite's Dream Home: beautiful 1-bedroom apartment, Nob Hill, San Francisco, fully furnished/equipped, computer negotiable, close to everything, convenient transit to all Bay Area libraries/universities. Available 10 months or 1 year from August 15, 1989, \$850/month. Would consider trade for Toronto equivalent. Matthews, 637 Powell, #101, San Francisco, CA 94108, USA.

Accommodation Overseas

Vacation & Sabbatical Rentals available in France and Italy! Country homes and apartments in Provence, Tuscany, Paris and Florence. Contact Vacances Provençales Vacations, 106 Victor Ave., Toronto, Ont. M4K 1A8. 461-9803.

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BED & BREAKFAST network of quality homes north of Toronto in ski country, downhill and cross-country, now booking seasonally near Collingwood. Overnight, mid-week and weekends available also Caledon to Wiarton. Call Ski Host (519) 941-7633.

EGYPT: July 7-30, 1989. \$3,995 per person, double occupancy. Deluxe escorted 24-day tour. Cairo, Abu Simbel, Aswan, Luxor, Alexandria. Half-board — Unique experiences — Expert historian/archaeologist guides. Call (416) 274-4380 evenings. Write L.M. James, Near Eastern Studies, University of Toronto, 4 Bancroft Street, Toronto, Ontario M5S 1A1.

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The myth of objectivity in scientific research

by Beth Savan

SCIENCE AND SCIENTISTS have traditionally been held in high esteem. Earlier this century, the public had unbounded faith in the power of science to explain mysteries and solve practical problems. As Richard Gregory, former editor of *Nature*, said: "My grandfather preached the gospel of Christ, my father preached the gospel of socialism, I preach the gospel of science."

The image of science and technology as a panacea for modern ills still holds powerful appeal. We rely on scientific knowledge to cure our diseases, to help us grow crops more productively, to develop new sources of cheap energy. We have accomplished incredible feats: individuals can have their lungs or hearts replaced; genetic engineers can now create new forms of organisms that never existed before; information can be transmitted from place to place and person to person instantly and cheaply.

It is particularly tempting to rely on expert authority in an era of extreme uncertainty, in which risks of global disasters are better known and more widely feared than ever before. How else can we tell whether nuclear power plants are safe, whether ozone destruction poses an imminent threat to our environment, or whether pesticides are causing mutations or cancer?

The power of scientific knowledge confers a special status on scientists. They are often portrayed as objective experts, purveyors of specialized information that they can use to make sophisticated technical judgements that the public cannot or need not understand. When this happens, science becomes remote, incomprehensible, alienating and even mystical. Scientists, masters of the subtleties and complexities of their disciplines, can be seen as a secular priesthood, delivering their "gospel of science" to the faithful.

Individuals

The trouble with delegating this special authority to scientists is that, however convenient the image, scientists are not human encyclopaedias or data processors who need only find the right file to come up with the single true answer to our question. Like priests, they are individuals, with personal histories, religious and political convictions, and ambitions. They are emotional beings, pursuing work to which they are intensely dedicated. Inevitably these human qualities colour a scientist's work and influence his or her field, line of research, methods, and ultimately, the conclusions.

Scientific investigation is not a straightforward act of observation and recording. It is a complex series of personal choices and subjective interpretations. Divergent results can emerge when separate teams of scientists ask the same question, using different approaches. Depending on the assumptions and techniques employed to

investigate the problem, they can produce dramatically different sets of experimental data.

The choice of scientific methods, assumptions and interpretations is fraught with passionate controversy. In most fields, the academic, commercial, political and philosophical inclinations of the scientist will strongly influence these choices. The allegiance of the investigators to the academic or political status quo will make a difference to how they carry out their work. Do they hope to extend an accepted theory or to challenge it? Are they comforted or disturbed by the way their discipline is applied to current social controversies?

There are many activities that may result in the dissemination of slanted conclusions or doubtful information. These range from rare, conscious meddling with results, to much more minor biases in research reporting. There is no clear delineation of what is deliberate and what is not. The most cold-blooded, opportunistic scientist might expressly develop an experimental protocol bound to produce results favouring a desired conclusion. Sloppy scientists might rationalize a failure to report aberrant data points publicly on the grounds that they do not represent the real situation.

Pressures

Personal influences on scientific practice are neither isolated nor recent phenomena. What has changed, over the last couple of decades, is the diversity and intensity of the pressures on scientists. Scientific evidence has become fundamental to public-policy decision: political, corporate and academic vested interests require data to support their positions.

The authority structure within science makes it likely that pressure arising from particular vested interests will prevail over others. The peer-review process, which currently controls most scientific funding and publication decisions, produces the "old boy" network of successful scientists with power to determine research priorities, promote favoured theories or hypotheses, and

make or break academic careers: "Reviewers and panel members who are expert enough to review a grant proposal are that knowledgeable because they are intimately involved in similar work. They do not relish being scooped by a rival. Or, they may strongly resist a rival's

The use and abuse of vested interests

hypothesis that challenges their own. Moreover, fair minded as they may be, they are powerfully tempted to borrow ideas and secure advantage for themselves.... Peer review should not be used as a licence to kill" says Daniel Osmond, a U of T physiologist.

As government research funds shrink and competition for research money, jobs and publishing space intensifies, these scientific power brokers will increasingly favour established research trails. This is illustrated, for example, by the trend to concentrate funds in designated scientific centres of excellence, making it difficult for other deserving researchers to secure funds. A few years of research grant rejections can grind down even the most dedicated scientist.

If this system is not reformed, young

researchers with novel ideas or politically inconvenient findings will be increasingly excluded from scientific activity. Ultimately, many traditional dogmas will be overturned by more powerful or productive research theories. But, in the meantime, the public will have been denied potentially valuable new discoveries, inventions or evidence. Vast sums of money may be squandered on political priorities which, like so much military research, are socially destructive and have few incidental benefits. Some researchers allege that this vision of science has already become a reality. Dr. N.R. Sinclair, chairman of the Department of Microbiology & Immunology at the University of Western Ontario, charges the Medical Research Council with actually punishing originality:

"Funding agencies are notoriously bad at supporting original proposals which change current thinking... young scientists feel they must 'play the game.' This leads them into the vicious cycle of publishing non-controversial and trendy results which, in turn, guarantees funding which leads to more non-controversial and inconsequential results. Make no mistake about it, young intellectuals realize that the present system punishes originality."

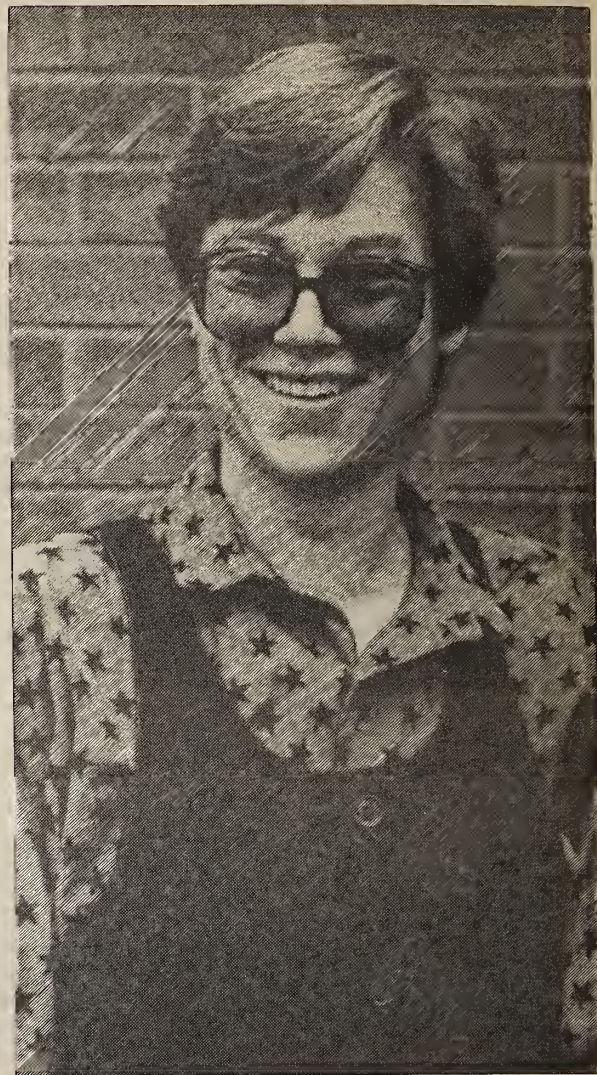
As the eminent philosopher of science Michael Polanyi asserts, science must always represent a balance between theories that have worked in the past and challenges to those theories that may prove more productive in the future. I fear the scales have tipped too far towards the traditional.

Reform

Two simultaneous approaches are needed to reform the way science is currently practised. First, we should develop new measures to challenge the biases of investigators. Second, we should take steps to disengage scientists doing research from the vested interests that have a stake in its outcome.

These two approaches may appear to be contradictory, but they are not. Both recognize the inevitability of vested interests affecting research topics, methods and results. The initial response is to institutionalize challenge and examination of bias as part of the research process. A complementary program would operate at the level of departmental, institutional and governmental policy to dilute the impact of the vested interests on scientific investigation. The rewards for serving powerful interests could be reduced; the administration of scientific funding and publication made more egalitarian; and positive incentives introduced to encourage innovative proposals involving young researchers.

These measures would make scientific careers more secure and attractive for researchers who are not yet established in their fields. In addition, institutionalized protocol and public penalties for fraud or clear malpractice would discourage obvious distortion of research results to favour friends, patrons,



Beth Savan

political allies or personal careers.

None of these changes will come easily. The existing systems of science education and administration have evolved to their current form precisely because they fulfil the needs of the established scientists and of their political and industrial benefactors. These powerful interests will energetically oppose the reforms suggested here. But there are indications that other, less powerful but perhaps more broadly representative groups are beginning to recognize the importance of scientific research to their needs as well.

Public outrage at current environmental and public-health problems is motivating the formation of organized citizen lobby groups. Like other social advocates, these bodies have vested interests in certain scientific research directions and outcomes. Unlike the more powerful industrial and political organizations, however, public-interest groups rarely have the resources or the opportunity to alter the course of scientific investigations. Equal access to such influence is a distant goal, but encouraging initiatives are giving these groups an occasional role in science policy development.

Reforms should not be confined to these measures, nor should they be viewed as rigid or prescriptive. Particular means of addressing the problem of vested interests and scientific research will likely be most usefully developed by those directly involved in each area of research practice and administration. But the single most needed change is one in which we can all participate. The necessary reforms to the administration and practice of scientific research will only be precipitated by a radical revision of the general public's perception of science and scientists, and by recognizing the important role played by the vested interests they serve.

*Beth Savan has a doctorate in insect ecology from the University of London, England. She teaches environmental studies at Innis College. This article is adapted from her book *Science Under Siege* (CBC Enterprises, 1988). There she explores this analysis more fully and presents detailed supporting evidence.*



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